

# ABRAXIS® Microcystin-LR Standard, 10 ug/mL

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878



### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : ABRAXIS® Microcystin-LR Standard, 10 ug/mL, 1.0 mL  
Product code : 300632

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Relevant identified uses

Use of the substance/mixture : Positive control for the determination of Microcystin-LR using LC-MS

##### Uses advised against

Restrictions on use : For research purpose only

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

Gold Standard Diagnostics Horsham LLC  
795 Horsham Rd  
19044 Horsham, PA  
T 12153573911  
[info.abraxis@us.goldstandarddiagnostics.com](mailto:info.abraxis@us.goldstandarddiagnostics.com)

##### Only Representative

Gold Standard Diagnostics Budapest Kft.  
1047 Budapest  
Fóti út 56, Hungary

#### 1.4. Emergency telephone number

Emergency number : 12153573911 Monday - Friday 8:00am - 4:00pm EST

| Country/Area | Organisation                                                                                                                                                                | Emergency number                                                                                                                                                                                                                                                   |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Austria      | Vergiftungsinformationszentrale.<br>Stubenring 6 1010 Vienna.                                                                                                               | +43 1 406 43 43                                                                                                                                                                                                                                                    |
| Belgium      | Centre Anti-Poisons/Antigifcentrum.<br>c/o Hôpital Militaire Reine Astrid.<br>Rue Bruyn 1 1120 Brussels.                                                                    | +32 70 245 245<br>Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)                                                                                                 |
| Bulgaria     | Национален токсикологичен информационен център.<br>Многопрофилна болница за активно лечение и спешна медицина "Н.И.Пирогов".<br>бул. Ген. Едуард И. Тотлебен 21 1606 Sofia. | +359 2 9154 233<br>The phone is active 24/7 and calls to it are free                                                                                                                                                                                               |
| Croatia      | Centar za kontrolu otrovanja.<br>Institut za medicinska istraživanja i medicinu rada.<br>Ksaverska Cesta 2. p.p. 291 10000 Zagreb.                                          | +385 1 234 8342<br>Information available 24/7 in Croatian and English                                                                                                                                                                                              |
| Estonia      | Mürgistusteabekeskus.<br>Terviseamet.<br>Paldiski mnt 81 10614.                                                                                                             | 16662<br>+372 7943 794<br>Calling the hotline is anonymous and at the cost of a local call.                                                                                                                                                                        |
| Finland      | Myrkytystietokeskus.<br>Stenbäckinkatu 9. PO BOX 100 00029 Helsinki.                                                                                                        | +358 800 147 111<br>+358 9 471 977<br>Open 24 hours a day 0800 147 111 (free of charge)<br>09 471 977 (normal rate call)                                                                                                                                           |
| France       | ORFILA                                                                                                                                                                      | +33 1 45 42 59 59<br>This number automatically directs calls to the nearest poison control center, based on the caller's location. These poison and toxicovigilance centers provide free medical assistance (excluding call costs), 24 hours a day, 7 days a week. |

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| Country/Area | Organisation                                                                                                                                                                 | Emergency number                                                                                                                                                                              |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Germany      | Klinik für Intensiv- und Notfallmedizin, Klinikum Nürnberg.<br>Institut für Biomedizin des Alterns, Universität Erlangen-Nürnberg.<br>Professor-Ernst-Nathan-Straße 1 90419. | +49 (0) 911 398 2451                                                                                                                                                                          |
|              | Giftnotruf der Charité - Universitätsmedizin Berlin.<br>CBF, Haus VIII (Wirtschaftsgebäude), UG.<br>Hindenburgdamm 30 12203.                                                 | +49 (0) 30 19240                                                                                                                                                                              |
| Greece       | Poisons Information Centre.<br>Children's Hospital P&A Kyriakou.<br>11762.                                                                                                   | +30 21 07 79 37 77                                                                                                                                                                            |
| Hungary      | Nemzeti Népegészségügyi Központ.<br>Egészségügyi Toxikológiai Tájékoztató Szolgálat.<br>Albert Flórián út 2-6 1097.                                                          | +36 80 20 11 99<br>+36 1 476 6464<br>Emergency number 1: (0-24 hours, free of charge - only from Hungary) Emergency number 2: (0-24 hours, can be called for a normal fee - also from abroad) |
| Ireland      | National Poisons Information Centre.<br>Beaumont Hospital.<br>PO Box 1297. Beaumont Road 9 Dublin.                                                                           | +353 1 809 2566 (Healthcare professionals-24/7)<br>+353 1 809 2166 (public, 8am - 10pm, 7/7)                                                                                                  |
| Italy        | Centro Antiveleni di Bergamo.<br>Azienda Ospedaliera Papa Giovanni XXIII.<br>Piazza OMS - Organizzazione Mondiale della Sanità, 1 24127 Bergamo.                             | 800 88 33 00                                                                                                                                                                                  |
| Latvia       | Valsts ugunsdzēsības un glābšanas dienests.<br>Toksikoloģijas un sepses klīnikas Saindēšanās un zāļu informācijas centrs.<br>Hipokrāta 2 1038 Rīga.                          | 112<br>+371 67 04 24 73<br>works 24 hours a day                                                                                                                                               |
| Malta        | Medicines & Poisons Info Office.<br>Mater Dei Hospital. Msida MSD 2090 Msida.                                                                                                | 112<br>+356 2545 6508                                                                                                                                                                         |
| Netherlands  | Nationaal Vergiftigingen Informatie Centrum (NVIC).<br>Huispostnummer Q03.2.315. Postbus 85500 3508 GA Utrecht.                                                              | +31 88 755 80 00<br>Only for the purpose of informing medical personnel in cases of acute intoxications (24 hours a day, 7 days a week)                                                       |
| Poland       | Pomorskie Centrum Toksykologii.<br>Ul. Kartuska 4/6 80-104 Gdańsk.                                                                                                           | +48 058 682 04 04<br>Biocidal product poisoning control region:<br>Voivodeships: Pomeranian, West Pomeranian, Warmian-Masurian, Kuyavian-Pomeranian                                           |
| Romania      | Spitalul Clinic de Urgenta Bucuresti.<br>Secția Clinică ATI II - Toxicologie Clinică.<br>Calea Floreasca nr. 8. sector 1 Bucharest.                                          | +40 21 599 23 00<br>(information provided in Romanian and English)                                                                                                                            |
| Spain        | Servicio de Información Toxicológica.<br>Instituto Nacional de Toxicología y Ciencias Forenses. Departamento de Madrid.<br>C/José Echegaray nº4 28232 Las Rozas de Madrid.   | +34 91 562 04 20<br>+34 91 411 26 76 (teléfono solo para médicos)<br>(Toxicological emergencies only). Information in Spanish (24/7)                                                          |
| Sweden       | Giftinformationscentralen.<br>Solna Strandväg 21 171 54 Solna.                                                                                                               | 112 – begär Giftinformation                                                                                                                                                                   |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                                     |      |
|-------------------------------------|------|
| Flammable liquids, Category 2       | H225 |
| Acute toxicity (oral), Category 3   | H301 |
| Acute toxicity (dermal), Category 3 | H311 |

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Acute toxicity (inhalation:vapour) Category 3 H331  
Specific target organ toxicity – single exposure, Category 1 H370  
Full text of H- and EUH-statements: see section 16

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP) : Danger  
Contains : Methyl alcohol  
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.  
H301+H311+H331 - Toxic if swallowed, in contact with skin or if inhaled.  
H370 - Causes damage to organs (central nervous system, visual organ).  
Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P233 - Keep container tightly closed.  
P240 - Ground and bond container and receiving equipment.  
P241 - Use explosion-proof electrical/ventilating/lighting equipment.  
P260 - Do not breathe mist, spray, vapours, fume.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P363 - Wash contaminated clothing before reuse.  
P235 - Keep cool.  
Unknown acute toxicity (GHS EU) - SDS : 90.99% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist))

## 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                                                                                      | Product identifier                                                  | % Kit  | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                      |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------|
| Methyl alcohol<br>substance with a Community workplace exposure limit<br>99.999% Standard | CAS-No.: 67-56-1<br>EC-No.: 200-659-6<br>EC Index-No.: 603-001-00-X | 99.999 | Flam. Liq. 2, H225<br>Acute Tox. 3 (Oral), H301<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Inhalation), H331<br>STOT SE 1, H370 |

### Specific concentration limits:

| Name                       | Product identifier                                                  | Specific concentration limits (%)                                               |
|----------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Methyl alcohol<br>Standard | CAS-No.: 67-56-1<br>EC-No.: 200-659-6<br>EC Index-No.: 603-001-00-X | ( $3 \leq C < 10$ ) STOT SE 2; H371<br>( $10 \leq C \leq 100$ ) STOT SE 1; H370 |

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. Call a physician immediately. If medical advice is needed, have product container or label at hand. |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. If the victim is unconscious: Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.                                                                                     |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. Call a physician immediately. Wash contaminated clothing before reuse.                                                                                                                                                                                 |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.                                                                                                                                                                              |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a physician immediately.                                                                                                                                                                                                              |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                                                                                                                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symptoms/effects                    | : Causes damage to organs (central nervous system, visual organ).                                                                                                                                          |
| Symptoms/effects after inhalation   | : Toxic if inhaled. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Inhalation may cause irritation (cough, short breathing, difficulty in breathing).   |
| Symptoms/effects after skin contact | : Toxic in contact with skin. Irritation (itching, redness, blistering). Clothing that has become saturated with the product must be removed immediately because the product is absorbed through the skin. |
| Symptoms/effects after eye contact  | : Stinging, redness, itching, tears, blurred vision, swelling.                                                                                                                                             |
| Symptoms/effects after ingestion    | : Toxic if swallowed. This material contains methanol, which, when ingested, may cause acidosis and ocular toxicity ranging from diminished visual capacity to complete blindness, and possible death.     |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Call a physician immediately.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Dry powder. Alcohol-resistant foam. Carbon dioxide. Cool affected containers with flooding quantities of water. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                                                |

#### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                                                                                                                                                                                                                                                                                 |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Fire hazard                                      | : Highly flammable liquid and vapour.                                                                                                                                                                                                                                                           |
| Explosion hazard                                 | : May form flammable/explosive vapour-air mixture. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours. |
| Reactivity in case of fire                       | : Reacts violently with oxidizing substances.                                                                                                                                                                                                                                                   |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon monoxide. Carbon dioxide. Formaldehyde.                                                                                                                                                                                                                   |

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### 5.3. Advice for firefighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Large fires: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting devices or discolouration from tank. ALWAYS stay away from tanks engulfed in fire. For a massive fire, use unmanned hose holders or monitor nozzles, or withdraw from the area and allow fire to burn. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid all personal contact including breathing in the vapours, spray, mist. Do not take actions involving personal risks. Absorb spillage to prevent material damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
- For non-emergency personnel**
- Protective equipment : Wear recommended personal protective equipment.
- Emergency procedures : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, remove ignition sources, ventilate area. No open flames, no sparks, and no smoking. Do not breathe mist, spray, vapours, fume. Avoid contact with skin, eyes and clothing. Prevent other non-emergency personnel from entering the danger area.
- For emergency responders**
- Protective equipment : Wear the recommended personal protective equipment.
- Emergency procedures : Evacuate personnel to a safe area. Consider the risk of potentially explosive atmospheres. Ventilate spillage area. Stop leak if safe to do so. Do not touch spilled material.

### 6.2. Environmental precautions

Do not let the product reach soil, drains, sewers, or surface and ground water.

### 6.3. Methods and material for containment and cleaning up

- For containment : Stop leak without risks if possible. Small spills: Contain with non-combustible inert absorbent. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal.
- Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations. Notify authorities if product enters sewers or public waters.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapours are flammable.

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- Precautions for safe handling : Use only outdoors or in a well-ventilated area. Wear personal protective equipment. Do not breathe mist, spray, vapours, fume. Do not get in eyes, on skin, or on clothing. Use only non-sparking tools. Use explosion-proof equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation, especially in confined areas. Ground/bond container and receiving equipment. Comply with applicable regulations.
- Storage conditions : Store in accordance with local/regional/national/international regulations. Store in a cool, dry and well-ventilated area away from incompatible substances. Keep in fireproof place. Do not store for prolonged periods in direct sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container closed when not in use. Store locked up.
- Storage area : Ensure lighting and electrical equipment are not a source of ignition. Electrical equipment should be protected to the appropriate standard.
- Packaging materials : Always store product in container of same material as original container.

#### Germany

Storage class (LGK, TRGS 510)

Joint storage table

: LGK 3 - Flammable liquids

|          |         |          |          |           |
|----------|---------|----------|----------|-----------|
| LGK 1    | LGK 2A  | LGK 2B   | LGK 3    | LGK 4.1A  |
| LGK 4.1B | LGK 4.2 | LGK 4.3  | LGK 5.1A | LGK 5.1B  |
| LGK 5.1C | LGK 5.2 | LGK 6.1A | LGK 6.1B | LGK 6.1C  |
| LGK 6.1D | LGK 6.2 | LGK 7    | LGK 8A   | LGK 8B    |
| LGK 10   | LGK 11  | LGK 12   | LGK 13   | LGK 10-13 |

- Joint storage not permitted for : LGK 1, LGK 2A, LGK 4.1A, LGK 4.1B, LGK 4.2, LGK 4.3, LGK 5.1A, LGK 5.1C, LGK 5.2, LGK 6.1B, LGK 6.2, LGK 7
- Joint storage with restrictions permitted for : LGK 5.1B, LGK 6.1D, LGK 11, LGK 10-13
- Joint storage permitted for : LGK 2B, LGK 3, LGK 6.1A, LGK 6.1C, LGK 8A, LGK 8B, LGK 10, LGK 12, LGK 13

### 7.3. Specific end use(s)

Positive control for the determination of Microcystin-LR using LC-MS.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### National occupational exposure and biological limit values

##### Methyl alcohol (67-56-1)

##### EU - Indicative Occupational Exposure Limit (IOEL)

|                      |                                  |
|----------------------|----------------------------------|
| Local name           | Methanol                         |
| IOEL TWA             | 260 mg/m <sup>3</sup><br>200 ppm |
| Remark               | Skin                             |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC  |

##### Austria - Occupational Exposure Limits

|               |                                  |
|---------------|----------------------------------|
| Local name    | Methanol (Methylalkohol)         |
| MAK (OEL TWA) | 260 mg/m <sup>3</sup><br>200 ppm |

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| Methyl alcohol (67-56-1)                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MAK (OEL STEL)                                | 1040 mg/m <sup>3</sup> (4x 15(Miw) min)                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                                               | 800 ppm (4x 15(Miw) min)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Remark                                        | H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Regulatory reference                          | BGBI. II Nr. 339/2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Belgium - Occupational Exposure Limits        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                    | Alcool méthylique # Methanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                       | 266 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                               | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| OEL STEL                                      | 333 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                               | 250 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Remark                                        | D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht. |
| Regulatory reference                          | Koninklijk besluit/Arrêté royal 16/11/2023                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bulgaria - Occupational Exposure Limits       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                    | Метилов алкохол                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| OEL TWA                                       | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                               | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Remark                                        | Кожа (възможна е значителна резорбция чрез кожата); • (Химични агенти, за които са определени гранични стойности във въздуха на работната среда за Европейската общност)                                                                                                                                                                                                                                                                                                                                       |
| Regulatory reference                          | Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр. 28 от 2024 г., в сила от 05.04.2024 г.)                                                                                                                                                                                                                                                                                                                              |
| Croatia - Occupational Exposure Limits        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                    | Metanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| GVI (OEL TWA)                                 | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                               | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Remark                                        | Direktiva: 2006/15/EZ. Napomena: Koža (razvrstana kao tvar koja nadražuje kožu (H315))                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Regulatory reference                          | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 148/2023)                                                                                                                                                                                                                                                                                                                                                 |
| Croatia - Biological limit values             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                    | Metanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| BLV                                           | 24.7 mmol/mol Creatinine Karakteristični pokazatelj: metanol - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene<br>7 mg/g creatinine Karakteristični pokazatelj: metanol - Biološki uzorak: mokraća - Vrijeme uzorkovanja: na kraju radne smjene                                                                                                                                                                                                                                          |
| Regulatory reference                          | Pravilnik o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 91/2018)                                                                                                                                                                                                                                                                                                                                                  |
| Czech Republic - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local name                                    | Methanol (Methylalkohol)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| Methyl alcohol (67-56-1)                          |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PEL (OEL TWA)                                     | 250 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 188 ppm                                                                                                                                                                                                                                                                                                                                                                                                         |
| NPK-P (OEL C)                                     | 1000 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                   | 751 ppm                                                                                                                                                                                                                                                                                                                                                                                                         |
| Remark                                            | B - u látky je zaveden biologický expoziční test (BET) v moči nebo krvi, D - při expozici se významně uplatňuje pronikání faktoru kůží.                                                                                                                                                                                                                                                                         |
| Regulatory reference                              | Nařízení vlády č. 361/2007 Sb. (Předpis 473/2025 Sb.)                                                                                                                                                                                                                                                                                                                                                           |
| Czech Republic - Biological limit values          |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                        | Methanol (Methylalkohol)                                                                                                                                                                                                                                                                                                                                                                                        |
| BLV                                               | 15 mg/l Ukazatel: Methanol - Biologicky vzorek: moči - Doba odběru: konec směny<br>0.47 mmol/l Ukazatel: Methanol - Biologicky vzorek: moči - Doba odběru: konec směny                                                                                                                                                                                                                                          |
| Regulatory reference                              | Vyhláška č. 107/2013 Sb. (kterou se mění vyhláška č. 432/2003 Sb.)                                                                                                                                                                                                                                                                                                                                              |
| Estonia - Occupational Exposure Limits            |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                        | Metanool (metüülalkohol)                                                                                                                                                                                                                                                                                                                                                                                        |
| OEL TWA                                           | 250 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                         |
| OEL STEL                                          | 350 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 250 ppm                                                                                                                                                                                                                                                                                                                                                                                                         |
| Remark                                            | A (Naha kaudu kergesti imenduv aine)                                                                                                                                                                                                                                                                                                                                                                            |
| Regulatory reference                              | Vabariigi Valitsuse 20. märtsi 2001. a määruse nr 105 (RT I, 02.04.2024, 13)                                                                                                                                                                                                                                                                                                                                    |
| France - Occupational Exposure Limits             |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                        | Méthanol (alcool méthylique)                                                                                                                                                                                                                                                                                                                                                                                    |
| VLEP 8h (OEL TWA)                                 | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                         |
| VLEP CT (OEL STEL)                                | 1300 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                          |
|                                                   | 1000 ppm                                                                                                                                                                                                                                                                                                                                                                                                        |
| Remark                                            | Valeurs réglementaires contraignantes. Risque de pénétration percutanée. La VLEP CT n'est pas réglementaire et provient d'une circulaire du ministère chargé du travail                                                                                                                                                                                                                                         |
| Regulatory reference                              | Article R4412-149 du Code du travail et circulaire du Ministère du travail (réf.: INRS ED 6443, 2022; Outil65; Décret n° 2019-1487; Décret n° 2020-1546; Décret n° 2021-434; Décret n° 2021-1849; Décret n° 2024-307)                                                                                                                                                                                           |
| Germany - Occupational Exposure Limits (TRGS 900) |                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Local name                                        | Methanol                                                                                                                                                                                                                                                                                                                                                                                                        |
| AGW (OEL TWA)                                     | 130 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                           |
|                                                   | 100 ppm                                                                                                                                                                                                                                                                                                                                                                                                         |
| Peak exposure limitation factor                   | 2(II)                                                                                                                                                                                                                                                                                                                                                                                                           |
| Remark                                            | DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); EU - Europäische Union (Von der EU wurde ein Luftgrenzwert festgelegt: Abweichungen bei Wert und Spitzenbegrenzung sind möglich); H - hautresorptiv; Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden |

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| Methyl alcohol (67-56-1)                     |                                                                                                                                                                                                                                                             |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory reference                         | TRGS900                                                                                                                                                                                                                                                     |
| Germany - Biological limit values (TRGS 903) |                                                                                                                                                                                                                                                             |
| Local name                                   | Methanol                                                                                                                                                                                                                                                    |
| Biological limit value                       | 15 mg/l Parameter: Methanol - Untersuchungsmaterial: U = Urin - Probenahmezeitpunkt: b) Expositionsende, bzw. Schichtende - Festlegung/Begründung: 05/2024 DFG                                                                                              |
| Regulatory reference                         | TRGS 903                                                                                                                                                                                                                                                    |
| Greece - Occupational Exposure Limits        |                                                                                                                                                                                                                                                             |
| Local name                                   | Μεθανόλη                                                                                                                                                                                                                                                    |
| OEL TWA                                      | 260 mg/m <sup>3</sup><br>200 ppm                                                                                                                                                                                                                            |
| OEL STEL                                     | 325 mg/m <sup>3</sup><br>250 ppm                                                                                                                                                                                                                            |
| Remark                                       | Η ένδειξη «δέρμα» στις οριακές τιμές επαγγελματικής έκθεσης επισημαίνει το ενδεχόμενο σημαντικής διείσδυσης μέσω του δέρματος.                                                                                                                              |
| Regulatory reference                         | Π.Δ. 90/1999 - Προστασία της υγείας των εργαζομένων που εκτίθενται σε ορισμένους χημικούς παράγοντες κατά τη διάρκεια της εργασίας τους                                                                                                                     |
| Hungary - Occupational Exposure Limits       |                                                                                                                                                                                                                                                             |
| Local name                                   | METANOL                                                                                                                                                                                                                                                     |
| AK (OEL TWA)                                 | 260 mg/m <sup>3</sup><br>200 ppm                                                                                                                                                                                                                            |
| Remark                                       | b (Bőrön át is felszívódik), i (ingerlő anyag, amely izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát); EU2 (2006/15/EK irányelvben közölt érték); R+T (Azok az anyagok, amelyek RÖVID és TARTÓS expozíciója is egészségkárosodást okoz)               |
| Regulatory reference                         | 5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről                                                                                                                            |
| Hungary - Biological Exposure Indices        |                                                                                                                                                                                                                                                             |
| Local name                                   | Metanol                                                                                                                                                                                                                                                     |
| BEI                                          | 30 mg/l Biológiai expozíciós (hatás) mutató: metanol - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén)<br>940 µmol/l Biológiai expozíciós (hatás) mutató: metanol - Biológiai minta: vizeletben - Mintavétel ideje: m.v. (műszak végén) |
| Regulatory reference                         | 5/2020. (II. 6.) ITM rendelet - A kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről                                                                                                                            |
| Ireland - Biological limit values            |                                                                                                                                                                                                                                                             |
| Local name                                   | Methanol                                                                                                                                                                                                                                                    |
| BMGV                                         | 15 mg/l Parameter: methanol - Medium: urine - Sampling time: End of shift - Notations: B (Background), Ns (Non-specific)                                                                                                                                    |
| Regulatory reference                         | Biological Monitoring Guidelines (HSA, 2011)                                                                                                                                                                                                                |
| Italy - Occupational Exposure Limits         |                                                                                                                                                                                                                                                             |
| Local name                                   | Metanolo                                                                                                                                                                                                                                                    |
| OEL TWA                                      | 260 mg/m <sup>3</sup><br>200 ppm                                                                                                                                                                                                                            |
| Remark                                       | Cute                                                                                                                                                                                                                                                        |

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| Methyl alcohol (67-56-1)                   |                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory reference                       | Allegato XXXVIII del D.Lgs. 9 aprile 2008, n. 81 e s.m.i. (D.Lgs. 4 settembre 2024, n. 135)                                                                                                                                                                                                                                                         |
| Latvia - Occupational Exposure Limits      |                                                                                                                                                                                                                                                                                                                                                     |
| Local name                                 | Metanols (metilspirts, karbinols)                                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                    | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                               |
|                                            | 200 ppm                                                                                                                                                                                                                                                                                                                                             |
| Remark                                     | Āda                                                                                                                                                                                                                                                                                                                                                 |
| Regulatory reference                       | Ministru kabineta 2007. gada 15. maija noteikumiem Nr. 325 (Grozījumi Ministru kabineta 2026. gada 17. martā noteikumiem Nr. 142).                                                                                                                                                                                                                  |
| Lithuania - Occupational Exposure Limits   |                                                                                                                                                                                                                                                                                                                                                     |
| Local name                                 | Metanolis (metilo alkoholis)                                                                                                                                                                                                                                                                                                                        |
| IPRV (OEL TWA)                             | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                               |
|                                            | 200 ppm                                                                                                                                                                                                                                                                                                                                             |
| Remark                                     | O (medžiaga į organizmą gali prasiskverbti pro nepažeistą odą)                                                                                                                                                                                                                                                                                      |
| Regulatory reference                       | LIETUVOS HIGIENOS NORMA HN 23:2011 (Nr. V-695/A1-272, 2018-06-12)                                                                                                                                                                                                                                                                                   |
| Luxembourg - Occupational Exposure Limits  |                                                                                                                                                                                                                                                                                                                                                     |
| Local name                                 | Méthanol                                                                                                                                                                                                                                                                                                                                            |
| OEL TWA                                    | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                               |
|                                            | 200 ppm                                                                                                                                                                                                                                                                                                                                             |
| Remark                                     | Peau                                                                                                                                                                                                                                                                                                                                                |
| Regulatory reference                       | Mémorial A N° 226 de 2021 concernant la protection de la sécurité et de la santé des salariés contre les risques liés à des agents chimiques sur le lieu de travail                                                                                                                                                                                 |
| Malta - Occupational Exposure Limits       |                                                                                                                                                                                                                                                                                                                                                     |
| Local name                                 | Methanol                                                                                                                                                                                                                                                                                                                                            |
| OEL TWA                                    | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                               |
|                                            | 200 ppm                                                                                                                                                                                                                                                                                                                                             |
| Remark                                     | Skin # Ġilda                                                                                                                                                                                                                                                                                                                                        |
| Regulatory reference                       | S.L. 424.24 - Chemical Agents at Work Regulations (L.N. 356 of 2021) # L.S. 424.24 - Regolamenti dwar Aġenti Kimiċi fuq il-Post tax-Xogħol (A.L. 356 tal-2021)                                                                                                                                                                                      |
| Netherlands - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                     |
| Local name                                 | Methanol                                                                                                                                                                                                                                                                                                                                            |
| TGG-8u (OEL TWA)                           | 133 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                               |
|                                            | 100 ppm                                                                                                                                                                                                                                                                                                                                             |
| Remark                                     | H (Huidopname) Stoffen die relatief gemakkelijk door de huid kunnen worden opgenomen, hetgeen een substantiële bijdrage kan betekenen aan de totale inwendige blootstelling, hebben in de lijst een H-aanduiding. Bij deze stoffen moeten naast maatregelen tegen inademing ook adequate maatregelen ter voorkoming van huidcontact worden genomen. |
| Regulatory reference                       | Arbeidsomstandighedenregeling 2026                                                                                                                                                                                                                                                                                                                  |
| Poland - Occupational Exposure Limits      |                                                                                                                                                                                                                                                                                                                                                     |
| Local name                                 | Metanol                                                                                                                                                                                                                                                                                                                                             |
| NDS (OEL TWA)                              | 100 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                               |
| NDSch (OEL STEL)                           | 300 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                               |

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| Methyl alcohol (67-56-1)                |                                                                                                                                                                                                   |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Remark                                  | Skóra (Oznakowanie substancji notacją „skóra” oznacza, że wchłanianie substancji przez skórę może być tak samo istotne jak przy narażeniu drogą oddechową).                                       |
| Regulatory reference                    | Dz. U. 2026 poz. 447 wraz z późn. zm.                                                                                                                                                             |
| Romania - Occupational Exposure Limits  |                                                                                                                                                                                                   |
| Local name                              | Metanol/Alcool metilic                                                                                                                                                                            |
| OEL TWA                                 | 260 mg/m <sup>3</sup>                                                                                                                                                                             |
|                                         | 200 ppm                                                                                                                                                                                           |
| Remark                                  | P - posibilitatea unei penetrări cutanate importante                                                                                                                                              |
| Regulatory reference                    | Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)                                                                                                                                      |
| Romania - Biological limit values       |                                                                                                                                                                                                   |
| Local name                              | Alcool metilic                                                                                                                                                                                    |
| BLV                                     | 6 mg/l Indicatorul biologic: Metanol - Material biologic: urină - Momentul recoltării: sfârșit de schimb                                                                                          |
| Regulatory reference                    | Hotărârea Guvernului nr. 1.218/2006 (Hotărârea nr. 179/2024)                                                                                                                                      |
| Slovakia - Occupational Exposure Limits |                                                                                                                                                                                                   |
| Local name                              | Metylalkohol (metanol)                                                                                                                                                                            |
| NPHV (OEL TWA)                          | 260 mg/m <sup>3</sup>                                                                                                                                                                             |
|                                         | 200 ppm                                                                                                                                                                                           |
| Remark                                  | K – znamená, že faktor môže byť ľahko absorbovaný kožou                                                                                                                                           |
| Regulatory reference                    | Nariadenie vlády č. 355/2006 Z. z. (122/2024 Z. z.)                                                                                                                                               |
| Slovakia - Biological limit values      |                                                                                                                                                                                                   |
| Local name                              | Metanol                                                                                                                                                                                           |
| BLV                                     | 30 mg/l Zisťovaný faktor: Metanol - Vyšetrovaný materiál: moč - Čas odberu vzorky: c) pri dlhodobej expozícii; po viacerých pracovných zmenách, b) koniec expozície alebo pracovnej zmeny         |
| Regulatory reference                    | Nariadenie vlády č. 355/2006 Z. z. (122/2024 Z. z.)                                                                                                                                               |
| Slovenia - Occupational Exposure Limits |                                                                                                                                                                                                   |
| Local name                              | metanol (metilalkohol)                                                                                                                                                                            |
| OEL TWA                                 | 260 mg/m <sup>3</sup>                                                                                                                                                                             |
|                                         | 200 ppm                                                                                                                                                                                           |
| OEL STEL                                | 1040 mg/m <sup>3</sup>                                                                                                                                                                            |
|                                         | 800 ppm                                                                                                                                                                                           |
| Remark                                  | K (Lastnost lažjega prehajanja snovi v organizem skozi kožo), Y (Snovi, pri katerih ni nevarnosti za zarodek ob upoštevanju mejnih vrednosti in bat vrednosti), BAT (Biološka mejna vrednost), EU |
| Regulatory reference                    | Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu                                                       |
| Slovenia - Biological limit values      |                                                                                                                                                                                                   |
| Local name                              | metanol                                                                                                                                                                                           |
| BLV                                     | 15 mg/l Parameter: metanol - Biološki vzorec: urin - Čas vzorčenja: ob koncu delovne izmene pri dolgotrajni izpostavljenosti: ob koncu delovne izmene po več zaporednih delavnikih                |

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| Methyl alcohol (67-56-1)               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulatory reference                   | Uradni list RS, št. 26/2025 z dne 18.4.2025 - Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu                                                                                                                                                                                                                                                                                                                                                                           |
| Spain - Occupational Exposure Limits   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Local name                             | Metanol (Alcohol metílico)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| VLA-ED (OEL TWA)                       | 266 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                        | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Remark                                 | Vía dérmica (Indica que, en las exposiciones a esta sustancia, la aportación por la vía cutánea puede resultar significativa para el contenido corporal total si no se adoptan medidas para prevenir la absorción. En estas situaciones, es aconsejable la utilización del control biológico para poder cuantificar la cantidad global absorbida del contaminante), VLB® (Agente químico que tiene Valor Límite Biológico), VLI (Agente químico para el que la U.E. estableció en su día un valor límite indicativo). |
| Regulatory reference                   | Límites de Exposición Profesional para Agentes Químicos en España 2026. INSHT                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Spain - Biological limit values        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Local name                             | Metanol (Alcohol metílico)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| BLV                                    | 15 mg/l Parámetro: Metanol - Medio: Orina - Momento de muestreo: Final de la jornada laboral - Notas: F (Fondo. El indicador está generalmente presente en cantidades detectables en personas no expuestas laboralmente. Estos niveles de fondo están considerados en el valor VLB), I (Significa que el indicador biológico es inespecífico puesto que puede encontrarse después de la exposición a otros agentes químicos)                                                                                          |
| Regulatory reference                   | Límites de Exposición Profesional para Agentes Químicos en España 2026. INSHT                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sweden - Occupational Exposure Limits  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Local name                             | Metanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NGV (OEL TWA)                          | 250 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                        | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| KGV (OEL STEL)                         | 350 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                        | 250 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Remark                                 | H (Ämnet tas lätt upp genom huden. Gränsvärdet bedöms ge tillräckligt skydd om huden är skyddad); V (Vägledande korttidsgränsvärde som ska användas som ett rekommenderat högsta värde som inte bör överskridas); 23 (Ämnet har ett indikativt EU-gränsvärde)                                                                                                                                                                                                                                                         |
| Regulatory reference                   | Arbetsmiljöverkets föreskrifter och allmänna råd (AFS 2023:14) om gränsvärden för luftvägsexponering i arbetsmiljön                                                                                                                                                                                                                                                                                                                                                                                                   |
| Iceland - Occupational Exposure Limits |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Local name                             | Metanól (metýlalkóhól, tréspíritus)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| OEL TWA                                | 260 mg/m <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                        | 200 ppm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Remark                                 | H (efnið getur auðveldlega borist inn í líkamann gegnum húð)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Regulatory reference                   | Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)                                                                                                                                                                                                                                                                                                                                                                                                                             |

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### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gas detectors should be used when flammable gases/vapours may be released.

#### Personal protection equipment

##### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

##### Personal protective equipment symbol(s):



#### Eye and face protection

##### Eye protection:

Wear safety glasses which protect from splashes

#### Skin protection

##### Skin and body protection:

Wear fire/flammable resistant/retardant clothing. Chemical-resistant, impervious, and thermal rated

##### Hand protection:

Wear protective gloves

#### Respiratory protection

##### Respiratory protection:

In case of inadequate ventilation, wear respiratory protection. In case of emergency: Self-contained breathing apparatus

#### Environmental exposure controls

##### Environmental exposure controls:

Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                                       |
|-------------------------------------------------|---------------------------------------|
| Physical state                                  | : Liquid                              |
| Colour                                          | : Colorless.                          |
| Odour                                           | : Not available                       |
| Odour threshold                                 | : Not available                       |
| Melting point                                   | : Not available                       |
| Freezing point                                  | : Not available                       |
| Boiling point                                   | : Not available                       |
| Flammability                                    | : Highly flammable liquid and vapour. |
| Lower explosion limit                           | : Not available                       |
| Upper explosion limit                           | : Not available                       |
| Flash point                                     | : Not available                       |
| Auto-ignition temperature                       | : Not available                       |
| Decomposition temperature                       | : Not available                       |
| pH                                              | : Not available                       |
| Viscosity, kinematic                            | : Not available                       |
| Solubility                                      | : Not available                       |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                       |
| Vapour pressure                                 | : Not available                       |
| Vapour pressure at 50°C                         | : Not available                       |
| Density                                         | : Not available                       |
| Relative density                                | : Not available                       |

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Relative vapour density at 20°C : Not available  
Particle characteristics : Not applicable

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour. Reacts violently with oxidizing substances.

### 10.2. Chemical stability

May form flammable/explosive vapour-air mixture.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

### 10.5. Incompatible materials

Alkali metals. Strong acids. Strong bases. Oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Formaldehyde.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Toxic if swallowed.  
Acute toxicity (dermal) : Toxic in contact with skin.  
Acute toxicity (inhalation) : Inhalation:vapour: Toxic if inhaled.

#### Methyl alcohol (67-56-1)

|                       |                              |
|-----------------------|------------------------------|
| LD50 oral rat         | 1187 – 2769 mg/kg bodyweight |
| LD50 dermal rabbit    | 17100 mg/kg bodyweight       |
| LC50 Inhalation - Rat | > 20 mg/l/4h                 |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)

#### Methyl alcohol (67-56-1)

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Additional information | Not irritating to rabbits on cutaneous application |
|------------------------|----------------------------------------------------|

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

#### Methyl alcohol (67-56-1)

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Additional information | Not irritating to rabbits on ocular application |
|------------------------|-------------------------------------------------|

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)

#### Methyl alcohol (67-56-1)

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Additional information | Does not cause cutaneous sensitisation for guinea-pigs |
|------------------------|--------------------------------------------------------|

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)

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### Methyl alcohol (67-56-1)

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| Additional information | Mutagenicity tests are negative                                                     |
| Carcinogenicity        | : Not classified (Based on available data, the classification criteria are not met) |
| Reproductive toxicity  | : Not classified (Based on available data, the classification criteria are not met) |
| STOT-single exposure   | : Causes damage to organs (central nervous system, visual organ).                   |

### Methyl alcohol (67-56-1)

|                        |                                                                                     |
|------------------------|-------------------------------------------------------------------------------------|
| STOT-single exposure   | Causes damage to organs (visual organ, central nervous system).                     |
| STOT-repeated exposure | : Not classified (Based on available data, the classification criteria are not met) |
| Aspiration hazard      | : Not classified (Based on available data, the classification criteria are not met) |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                     |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified (Based on available data, the classification criteria are not met) |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified (Based on available data, the classification criteria are not met) |

### Methyl alcohol (67-56-1)

|                      |              |
|----------------------|--------------|
| LC50 - Fish [1]      | 15400 mg/l   |
| EC50 96h - Algae [1] | ≈ 22000 mg/l |
| NOEC (chronic)       | 208 mg/l     |
| NOEC chronic fish    | 446.7 mg/l   |

### 12.2. Persistence and degradability

#### ABRAXIS® Microcystin-LR Standard, 10 ug/mL, 1.0 mL

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

### Methyl alcohol (67-56-1)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Readily biodegradable. |
|-------------------------------|------------------------|

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

|                                            |                                                                                                                                                                                      |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                                                                                                           |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions.                                                                                        |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                                                                                                           |
| Product/Packaging disposal recommendations | : Dispose of this material and its container at hazardous or special waste collection point.<br>Refer to all applicable national, international and local regulations or provisions. |
| Additional information                     | : Flammable vapours may accumulate in the container.                                                                                                                                 |
| Ecological waste information               | : Avoid release to the environment.                                                                                                                                                  |

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                     | IMDG                                                                                                        | IATA                              | ADN                               | RID                               |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>14.1. UN number or ID number</b>     |                                                                                                             |                                   |                                   |                                   |
| UN 1230                                 | UN 1230                                                                                                     | UN 1230                           | UN 1230                           | UN 1230                           |
| <b>14.2. UN proper shipping name</b>    |                                                                                                             |                                   |                                   |                                   |
| METHANOL                                | METHANOL                                                                                                    | Methanol                          | METHANOL                          | METHANOL                          |
| <b>Transport document description</b>   |                                                                                                             |                                   |                                   |                                   |
| UN 1230 METHANOL, 3 (6.1), II, (D/E)    | UN 1230 METHANOL, 3 (6.1), II (12°C c.c.)                                                                   | UN 1230 Methanol, 3 (6.1), II     | UN 1230 METHANOL, 3 (6.1), II     | UN 1230 METHANOL, 3 (6.1), II     |
| <b>14.3. Transport hazard class(es)</b> |                                                                                                             |                                   |                                   |                                   |
| 3 (6.1)                                 | 3 (6.1)                                                                                                     | 3 (6.1)                           | 3 (6.1)                           | 3 (6.1)                           |
|                                         |                                                                                                             |                                   |                                   |                                   |
| <b>14.4. Packing group</b>              |                                                                                                             |                                   |                                   |                                   |
| II                                      | II                                                                                                          | II                                | II                                | II                                |
| <b>14.5. Environmental hazards</b>      |                                                                                                             |                                   |                                   |                                   |
| Dangerous for the environment: No       | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-E<br>EmS-No. (Spillage): S-D | Dangerous for the environment: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available  |                                                                                                             |                                   |                                   |                                   |

#### 14.6. Special precautions for user

##### Overland transport

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Classification code (ADR)                                 | : FT1         |
| Special provisions (ADR)                                  | : 279         |
| Limited quantities (ADR)                                  | : 1I          |
| Excepted quantities (ADR)                                 | : E2          |
| Packing instructions (ADR)                                | : P001, IBC02 |
| Mixed packing provisions (ADR)                            | : MP19        |
| Portable tank and bulk container instructions (ADR)       | : T7          |
| Portable tank and bulk container special provisions (ADR) | : TP2         |
| Tank code (ADR)                                           | : L4BH        |
| Tank special provisions (ADR)                             | : TU15        |

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Vehicle for tank carriage : FL  
Transport category (ADR) : 2  
Special provisions for carriage - Loading, unloading and handling (ADR) : CV13, CV28  
Special provisions for carriage - Operation (ADR) : S2, S19  
Hazard identification number (Kemler No.) : 336  
Orange plates :



Tunnel restriction code (ADR) : D/E

### Transport by sea

Special provisions (IMDG) : 279  
Limited quantities (IMDG) : 1 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC02  
Tank instructions (IMDG) : T7  
Tank special provisions (IMDG) : TP2  
Stowage category (IMDG) : B  
Stowage and handling (IMDG) : SW2  
Flash point (IMDG) : 12°C c.c.  
Properties and observations (IMDG) : Colourless, volatile liquid. Flashpoint: 12°C c.c. Explosive limits: 6% to 36.5%. Miscible with water. Toxic if swallowed; may cause blindness. Avoid skin contact.

### Air transport

PCA Excepted quantities (IATA) : E2  
PCA Limited quantities (IATA) : Y341  
PCA limited quantity max net quantity (IATA) : 1L  
PCA packing instructions (IATA) : 352  
PCA max net quantity (IATA) : 1L  
CAO packing instructions (IATA) : 364  
CAO max net quantity (IATA) : 60L  
ERG code (IATA) : 3L

### Inland waterway transport

Classification code (ADN) : FT1  
Special provisions (ADN) : 279, 802  
Limited quantities (ADN) : 1 L  
Excepted quantities (ADN) : E2  
Carriage permitted (ADN) : T  
Equipment required (ADN) : PP, EP, EX, TOX, A  
Ventilation (ADN) : VE01, VE02  
Number of blue cones/lights (ADN) : 2

### Rail transport

Classification code (RID) : FT1  
Special provisions (RID) : 279  
Limited quantities (RID) : 1L  
Excepted quantities (RID) : E2  
Packing instructions (RID) : P001, IBC02  
Mixed packing provisions (RID) : MP19  
Portable tank and bulk container instructions (RID) : T7  
Portable tank and bulk container special provisions (RID) : TP2  
Tank codes for RID tanks (RID) : L4BH  
Special provisions for RID tanks (RID) : TU15  
Transport category (RID) : 2  
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW28  
Colis express (express parcels) (RID) : CE7

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Hazard identification number (RID) : 336

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-Regulations

##### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                                                                     |                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                       | Entry title or description                                                                                                                                                                                                                                                                                         |
| 3(a)                                   | ABRAXIS® Microcystin-LR Standard, 10 ug/mL, 1.0 mL ; Methyl alcohol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F.          |
| 3(b)                                   | ABRAXIS® Microcystin-LR Standard, 10 ug/mL, 1.0 mL ; Methyl alcohol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10. |
| 69.                                    | Methyl alcohol                                                      | Methanol                                                                                                                                                                                                                                                                                                           |

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Listed on the COUNCIL REGULATION (EC) for the control of dual-use items: Gold Standard Diagnostics | ABRAXIS® Microcystin-LR Standard, 10 ug/mL, 1 mL

Contains substance(s) subject to the COUNCIL REGULATION (EC) for the control of dual-use items: Microcystin-LR CAS# 101043-37-2

##### Explosives Precursors Regulation (EU 2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (EC 273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

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### National regulations

#### France

| Occupational diseases |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Code                  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RG 84                 | Conditions caused by liquid organic solvents for professional use: saturated or unsaturated aliphatic or cyclic liquid hydrocarbons and mixtures thereof; liquid halogenated hydrocarbons; nitrated derivatives of aliphatic hydrocarbons; alcohols; glycols, glycol ethers; ketones; aldehydes; aliphatic and cyclic ethers, including tetrahydrofuran; esters; dimethylformamide and dimethylacetamine; acetonitrile and propionitrile; pyridine; dimethylsulfone and dimethylsulfoxide |

#### Germany

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VOC ordinance (ChemVOCFarbV)                   | :                                                                                                                                                                                                                                                                                                                                                                                                    |
| Employment restrictions                        | : Observe restrictions according to the Act on the Protection of Working Mothers (MuSchG).<br>Observe restrictions according to the Act on the Protection of Young People in Employment (JArbSchG).                                                                                                                                                                                                  |
| Water hazard class (WGK)                       | : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).                                                                                                                                                                                                                                                                                                               |
| Chemicals Prohibition Ordinance (ChemVerbotsV) | : This product is subject to ChemVerbotsV Annex 2 Entry 1. The following requirements must be observed: authorization requirement (according to § 6 paragraph 1 sentence 1), basic requirements for carrying out the delivery (according to § 8 paragraph 1, 3 and 4), identification and documentation (according to § 9 paragraph 1 to 3) and exclusion of the shipping route (according to § 10). |
| Override matching entry (12. BImSchV)          | : Is not subject to the Major Accidents Ordinance (12. BImSchV)                                                                                                                                                                                                                                                                                                                                      |

#### Netherlands

|                                                   |                                                                                                       |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| ABM category                                      | : A(4) - low hazard for aquatic organisms, may have longterm hazardous effects in aquatic environment |
| SZW List of Carcinogenic Substances               | : None of the components are listed                                                                   |
| SZW List of Mutagenic Substances                  | : None of the components are listed                                                                   |
| SZW List of Reprotoxic Substances – Breastfeeding | : None of the components are listed                                                                   |
| SZW List of Reprotoxic Substances – Fertility     | : None of the components are listed                                                                   |
| SZW List of Reprotoxic Substances – Development   | : None of the components are listed                                                                   |

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### Poland

#### Polish National Regulations

: Act of 25 February 2011 on chemical substances and their mixtures (J. o L. No. 63, item 322 as amended; consolidated text J. o L. 2019, item 1225).  
Act of 14 December 2012 on waste (J. o L. 2013, item 322 as amended; consolidated text J. o L. 2020, item 797).  
The announcement of Marshal of the Sejm of the Republic of Poland dated 19 October 2016 concerning the consolidated text announcement of the decree on the management of packaging and packaging waste (J. o L. 2016, item 1863 as amended).  
Decree of the Minister of Environment of 14 December 2014 on the catalogue of waste (J. o L. 2014, item 1923).  
Act of 19 August 2011 on the Carriage of Dangerous Goods (J. o L. 2011 No. 227, item 1367 as amended; consolidated text J. o L. 2020, item 154).  
Regulation of the Minister of Family, Labour and Social Policy of 12 June 2018 on the highest permissible concentration and intensity of noxious agents for health at work environment (J. o L. item 1286 as amended).  
The announcement of Minister of Health dated 9 September 2016 concerning the consolidated text announcement of the decree of the Minister of Health of 30 December 2004 on health and safety at work related to exposure to chemical agents at work (J. o L. of 16 September 2016, item 1488).  
Regulation of the Minister of Health of 2 February 2011 on tests and measurements of the noxious agents for health at work environment (J. o L. No. 33, item 166 as amended).  
Regulation of the Minister of Environment of 9 December 2003 on particularly hazardous substances to the environment (J. o L. No. 217, item 2141).  
ADR Agreement: Government Statement of 13 March 2023 on the entry into force of amendments to Annexes A and B to the Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), signed in Geneva on 30 September 1957 (J. o. L. 2023, item 891).  
Regulation of the Minister of Health of 25 August 2015 on the method of marking places, pipelines, and containers and tanks used for storing or containing hazardous substances or hazardous mixtures (J.o.L. 2015, item 1368 as amended).

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Abbreviations and acronyms:

|         |                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------|
| ACGIH   | American Conference of Governmental Industrial Hygienists                                       |
| ADN     | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR     | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE     | Acute Toxicity Estimate                                                                         |
| BCF     | Bioconcentration factor                                                                         |
| BLV     | Biological limit value                                                                          |
| BOD     | Biochemical oxygen demand (BOD)                                                                 |
| CAS-No. | Chemical Abstracts Service number                                                               |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                     |
| COD     | Chemical oxygen demand (COD)                                                                    |
| CSA     | Chemical safety assessment                                                                      |
| DMEL    | Derived Minimal Effect level                                                                    |
| DNEL    | Derived-No Effect Level                                                                         |
| EC-No.  | European Community number                                                                       |

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### Abbreviations and acronyms:

|         |                                                                              |
|---------|------------------------------------------------------------------------------|
| EC50    | Median effective concentration                                               |
| ED      | Endocrine disruptor                                                          |
| EN      | European Standard                                                            |
| EWC     | European waste catalogue                                                     |
| IARC    | International Agency for Research on Cancer                                  |
| IATA    | International Air Transport Association                                      |
| IMDG    | International Maritime Dangerous Goods                                       |
| LC50    | Median lethal concentration                                                  |
| LD50    | Median lethal dose                                                           |
| LOAEL   | Lowest Observed Adverse Effect Level                                         |
| Log Kow | Partition coefficient n-octanol/water (Log Kow)                              |
| Log Pow | Partition coefficient n-octanol/water (Log Pow)                              |
| MAK     | maximum workplace concentration                                              |
| NOAEC   | No-Observed Adverse Effect Concentration                                     |
| NOAEL   | No-Observed Adverse Effect Level                                             |
| NOEC    | No-Observed Effect Concentration                                             |
| N.O.S.  | Not Otherwise Specified                                                      |
| OECD    | Organisation for Economic Co-operation and Development                       |
| OEL     | Occupational Exposure Limit                                                  |
| OSHA    | Occupational Safety Health Administration                                    |
| PBT     | Persistent Bioaccumulative Toxic                                             |
| PNEC    | Predicted No-Effect Concentration                                            |
| PPE     | Personal protection equipment                                                |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS     | Safety Data Sheet                                                            |
| STP     | Sewage treatment plant                                                       |
| TF      | Technical function                                                           |
| ThOD    | Theoretical oxygen demand (ThOD)                                             |
| TLM     | Median Tolerance Limit                                                       |
| TWA     | Time Weighted Average                                                        |
| VOC     | Volatile Organic Compounds                                                   |
| vPvB    | Very Persistent and Very Bioaccumulative                                     |
| UFI     | Unique Formula Identifier                                                    |

### Full text of H- and EUH-statements:

|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3           |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3           |
| Acute Tox. 3<br>(Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 3 |

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### Full text of H- and EUH-statements:

|                     |                                                                 |
|---------------------|-----------------------------------------------------------------|
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3                               |
| Flam. Liq. 2        | Flammable liquids, Category 2                                   |
| STOT SE 1           | Specific target organ toxicity – single exposure, Category 1    |
| STOT SE 2           | Specific target organ toxicity – Single exposure, Category 2    |
| H225                | Highly flammable liquid and vapour.                             |
| H301                | Toxic if swallowed.                                             |
| H311                | Toxic in contact with skin.                                     |
| H331                | Toxic if inhaled.                                               |
| H370                | Causes damage to organs (central nervous system, visual organ). |
| H371                | May cause damage to organs.                                     |

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

|                                  |      |                    |
|----------------------------------|------|--------------------|
| Flam. Liq. 2                     | H225 | Calculation method |
| Acute Tox. 3 (Oral)              | H301 | Calculation method |
| Acute Tox. 3 (Dermal)            | H311 | Calculation method |
| Acute Tox. 3 (Inhalation:vapour) | H331 | Calculation method |
| STOT SE 1                        | H370 | Calculation method |

The classification complies with : ATP 12

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.