

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Reference number: 02430 Issue date: 25.09.2023 Revision date: 25.09.2023 Supersedes version of: 16.05.2016 Version: 1.0

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

•

:

#### **1.1. Product identifier**

Product form Trade name EC Index-No. EC-No. CAS-No. Product code Formula Chemical structure

| Substance                       |
|---------------------------------|
| CAFFEINE ANHYDROUS AR           |
| 613-086-00-5                    |
| 200-362-1                       |
| 58-08-2                         |
| 02430                           |
| C8H10N4O2                       |
| 0                               |
| U CH <sub>3</sub>               |
| H <sub>3</sub> C <sub>N</sub> N |
|                                 |
| 0 N N                           |
| сц.                             |
| 013                             |

Synonyms

: 3,7-Dihydro-1,3,7-Trimethyl-1H-Purine-2,6-Dione; Xanthrine,1,3,7-Trimethyl; Methyl theobromide

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

#### 1.2.1. Relevant identified uses

Use of the substance/mixture

: Laboratory chemicals, Manufacture of substances

#### 1.2.2. Uses advised against

No additional information available

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

LOBA CHEMIE PVT.LTD. 107 Wode House Road, Jehangir Villa, Colaba 400005 Mumbai INDIA T +91 22 6663 6663 - F +91 22 6663 6699 info@lobachemie.com - www.lobachemie.com

## 1.4. Emergency telephone number

Emergency number

: + 91 22 6663 6663 (9:00am - 6:00 pm)

## **SECTION 2: Hazards identification**

### 2.1. Classification of the substance or mixture

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

Acute toxicity (oral), Category 4 Full text of H- and EUH-statements: see section 16 H302

#### Adverse physicochemical, human health and environmental effects

Harmful if swallowed.

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| 2.2. Label elements                       |   |
|---|---|
| Labelling according to Regulation (EC) No | . 1272/2008 [CLP]   |
| Hazard pictograms (CLP)                   | GHS07   |
| Signal word (CLP)                         | : Warning   |
| Hazard statements (CLP)                   | : H302 - Harmful if swallowed.  |
| Precautionary statements (CLP)            | : P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.<br>P330 - Rinse mouth. |
| Nordic countries regulation               |   |
| Denmark                                   |   |
| MAL code                                  | : 00-3 (Executive Order No. 301 (1993))   |
| 2.3. Other hazards                        |   |

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

## SECTION 3: Composition/information on ingredients

## 3.1. Substances

| Substance type | : Mono-constituent   |
|----------------|----------------------|
| Name           | : CAFFEINE ANHYDROUS |
| CAS-No.        | : 58-08-2            |
| EC-No.         | : 200-362-1          |
| EC Index-No.   | : 613-086-00-5       |
|                |                      |

| Name               | Product identifier  | %   |
|--------------------|---|-----|
| CAFFEINE ANHYDROUS | CAS-No.: 58-08-2<br>EC-No.: 200-362-1<br>EC Index-No.: 613-086-00-5 | 100 |

## 3.2. Mixtures

Not applicable

| SECTION 4: First aid measures  |   |
|--|---|
| 4.1. Description of first aid measures   |   |
| First-aid measures general<br>First-aid measures after inhalation<br>First-aid measures after skin contact<br>First-aid measures after eye contact<br>First-aid measures after ingestion | <ul> <li>Call a poison center or a doctor if you feel unwell.</li> <li>Remove person to fresh air and keep comfortable for breathing.</li> <li>Wash with plenty of water/ Get medical advice/attention. Wash skin with plenty of water.</li> <li>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.</li> <li>Rinse mouth. Call a POISON CENTER/doctor if you feel unwell. Call a poison center or a doctor if you feel unwell.</li> </ul> |
| 4.2. Most important symptoms and effe  | cts, both acute and delayed   |
| Symptoms/effects after ingestion   | : Harmful if swallowed.   |
| 4.3. Indication of any immediate medical attention and special treatment needed  |   |
| Treat symptomatically.   |   |

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| SECTION 5: Firefighting measures                               |  |  |
|--|--|--|
| 5.1. Extinguishing media                                       |  |  |
| Suitable extinguishing media<br>Unsuitable extinguishing media | <ul><li>Carbon dioxide. Dry powder. Foam. Water spray.</li><li>Do not use a heavy water stream.</li></ul>  |  |
| 5.2. Special hazards arising from the substance or mixture     |  |  |
| Hazardous decomposition products in case of fire               | : Toxic fumes may be released.   |  |
| 5.3. Advice for firefighters                                   |  |  |
| Protection during firefighting                                 | : Do not enter fire area without proper protective equipment, including respiratory protection.<br>Do not attempt to take action without suitable protective equipment. Self-contained<br>breathing apparatus. Complete protective clothing. |  |

| SECTION 6: Accidental release measures       |  |  |
|--|--|--|
| 6.1. Personal precautions, protective equip  | ment and emergency procedures  |  |
| 6.1.1. For non-emergency personnel           |  |  |
| Emergency procedures                         | : Ventilate spillage area. Evacuate unnecessary personnel.   |  |
| 6.1.2. For emergency responders              |  |  |
| Protective equipment                         | : Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. For further information refer to section 8: "Exposure controls/personal protection". |  |
| 6.2. Environmental precautions               |  |  |
| Avoid release to the environment.            |  |  |
| 6.3. Methods and material for containment a  | and cleaning up  |  |
| Methods for cleaning up                      | : Mechanically recover the product. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.                           |  |
| Other information                            | : Dispose of materials or solid residues at an authorized site.  |  |
| 6.4. Reference to other sections             |  |  |
| For further information refer to section 13. |  |  |

| SECTION 7: Handling and storage                |   |
|--|---|
| 7.1. Precautions for safe handling             |   |
|  | Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Always wash hands after handling the product. |
| 7.2. Conditions for safe storage, including an | y incompatibilities   |
| Storage conditions :                           | Store in a well-ventilated place. Keep container tightly closed. Protect from moisture. Store in a well-ventilated place. Keep cool.  |
| 7.3. Specific end use(s)                       |   |

No additional information available

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## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

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



#### 8.2.2.1. Eye and face protection

#### Eye protection:

Chemical goggles or safety glasses

## 8.2.2.2. Skin protection

Skin and body protection: Wear suitable protective clothing

Hand protection: Protective gloves

8.2.2.3. Respiratory protection

**Respiratory protection:** Wear appropriate mask

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

| <b>SECTION 9: Physical and chemica</b> | al properties  |
|--|--|
| 9.1. Information on basic physical and | d chemical properties                                    |
| Physical state<br>Colour<br>Appearance | : Solid<br>: White.<br>: Crystalline powder or crystals. |

: 194,19 g/mol

Molecular mass

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| Odour   | : Odourless.   |
|---|--|
| Odour threshold                                 | : 29 – 300 ppm                                       |
| Melting point                                   | : 235 – 237 °C                                       |
| Freezing point                                  | : Not applicable                                     |
| Boiling point                                   | : 178 °C   |
| Flammability                                    | : Non flammable.                                     |
| Lower explosion limit                           | : Not applicable                                     |
| Upper explosion limit                           | : Not applicable                                     |
| Flash point                                     | : Not applicable                                     |
| Auto-ignition temperature                       | : Not applicable                                     |
| Decomposition temperature                       | : Not available                                      |
| рН  | : 5,5-6,5  |
| pH solution concentration                       | : 1 %  |
| Viscosity, kinematic                            | : Not applicable                                     |
| Solubility                                      | : Water: 20 g/l at 20°C - Slightly soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                                      |
| Partition coefficient n-octanol/water (Log Pow) | : 0,07   |
| Vapour pressure                                 | : 15 mm Hg (89°C)                                    |
| Vapour pressure at 50 °C                        | : Not available                                      |
| Density   | : 1,23 g/cm³ at 18°C                                 |
| Relative density                                | : Not available                                      |
| Relative vapour density at 20 °C                | : Not applicable                                     |
| Particle size                                   | Not available  |

## 9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

### 9.2.2. Other safety characteristics

No additional information available

## **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

## 10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Air contact. Moisture. Water, humidity.

## 10.5. Incompatible materials

Oxidizing agent.

**10.6. Hazardous decomposition products** 

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

| SECTION 11: Toxicological                        | information                                      |
|--|--|
| 11.1. Information on hazard cl                   | asses as defined in Regulation (EC) No 1272/2008 |
| Acute toxicity (oral)<br>Acute toxicity (dermal) | : Harmful if swallowed.<br>. Not classified      |

| Acute toxicity (dermal)     |
|-----------------------------|
| Acute toxicity (inhalation) |

: Not classified

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| Skin corrosion/irritation                 | : Not classified |
|---|------------------|
|   | pH: 5,5 – 6,5    |
| Serious eye damage/irritation             | : Not classified |
|   | pH: 5,5 – 6,5    |
| Respiratory or skin sensitisation         | : Not classified |
| Germ cell mutagenicity                    | : Not classified |
| Carcinogenicity                           | : Not classified |
| Reproductive toxicity                     | : Not classified |
| STOT-single exposure                      | : Not classified |
| STOT-repeated exposure                    | : Not classified |
| Aspiration hazard                         | : Not classified |
| CAFFEINE ANHYDROUS AR (58-08              | -2)              |
| Viscosity, kinematic                      | Not applicable   |
|   |                  |
| <b>11.2. Information on other hazards</b> |                  |
| 11.2.1. Endocrine disrupting properties   |                  |
|   |                  |

No additional information available

## 11.2.2. Other information

Potential adverse human health effects and : Harmful if swallowed. symptoms

| SECTION 12: Ecological information   |   |
|--|---|
| 12.1. Toxicity   |   |
| Ecology - general<br>Hazardous to the aquatic environment, short–term<br>(acute) | <ul> <li>The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.</li> <li>Not classified</li> </ul> |
| Hazardous to the aquatic environment, long-term<br>(chronic)                     | : Not classified  |
| 12.2. Persistence and degradability  |   |
| No additional information available  |   |
| 12.3. Bioaccumulative potential  |   |
| CAFFEINE ANHYDROUS AR (58-08-2)  |   |
| Partition coefficient n-octanol/water (Log Pow)                                  | 0,07  |
| 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

Waste treatment methods

Product/Packaging disposal recommendations

Dispose of contents/container in accordance with licensed collector's sorting instructions.
 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## **SECTION 14: Transport information**

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

| 14.1. UN number or ID number   |  |
|--|--|
| UN-No. (ADR)<br>UN-No. (IMDG)<br>UN-No. (IATA)<br>UN-No. (ADN)<br>UN-No. (RID)<br>14.2. UN proper shipping name  | : UN 1544<br>: UN 1544<br>: UN 1544<br>: UN 1544<br>: UN 1544  |
| Proper Shipping Name (ADR)<br>Proper Shipping Name (IMDG)<br>Proper Shipping Name (IATA)<br>Proper Shipping Name (ADN)<br>Proper Shipping Name (RID)<br>Transport document description (ADR)<br>Transport document description (IMDG)<br>Transport document description (IATA)<br>Transport document description (ADN) | <ul> <li>ALKALOIDS, SOLID, N.O.S.</li> <li>UN 1544 ALKALOIDS, SOLID, N.O.S. (CAFFEINE), 6.1, III, (E)</li> <li>UN 1544 ALKALOIDS, SOLID, N.O.S., 6.1, III</li> <li>UN 1544 ALKALOIDS, SOLID, N.O.S., (CAFFEINE), 6.1, III</li> <li>UN 1544 ALKALOIDS, SOLID, N.O.S., 6.1, III</li> <li>UN 1544 ALKALOIDS, SOLID, N.O.S., 6.1, III</li> </ul> |

## 14.3. Transport hazard class(es)

#### ADR

| Transport hazard class(es) (ADR) | : 6.1 |  |
|----------------------------------|-------|--|
| Danger labels (ADR)              | : 6.1 |  |
|                                  |       |  |

#### IMDG

Transport hazard class(es) (IMDG) Danger labels (IMDG)

## ΙΑΤΑ

Transport hazard class(es) (IATA) Danger labels (IATA)

# ADN

Transport hazard class(es) (ADN)

: 6.1 : 6.1 : 6.1 : 6.1 : .

: 6.1 : 6.1 :

: 6.1

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|   | ,  |
|---|--|
| Danger labels (ADN)   | : 6.1                                    |
|   |  |
|   |  |
|   | 6  |
|   | $\checkmark$                             |
| RID   |  |
| Transport hazard class(es) (RID)  | : 6.1                                    |
| Danger labels (RID)   | : 6.1                                    |
|   |  |
|   |  |
|   | 6  |
|   |  |
| 14.4. Packing group   |  |
| Packing group (ADR)   | : 111                                    |
| Packing group (IMDG)  | : 111                                    |
| Packing group (IATA)  | :  |
| Packing group (ADN)   | : III<br>. III                           |
| Packing group (RID)   | : III                                    |
| 14.5. Environmental hazards   |  |
| Dangerous for the environment   | : No                                     |
| Marine pollutant  | : No                                     |
| Other information   | : No supplementary information available |
| 14.6. Special precautions for user                                      |  |
| Overland transport  |  |
| Classification code (ADR)   | : T2                                     |
| Special provisions (ADR)  | : 43, 274                                |
| Limited quantities (ADR)<br>Excepted quantities (ADR)                   | : 5kg<br>: E1                            |
| Packing instructions (ADR)  | : P002, IBC08, LP02, R001                |
| Special packing provisions (ADR)  | : B3                                     |
| Mixed packing provisions (ADR)  | : MP10                                   |
| Portable tank and bulk container instructions (ADR)                     | : T1                                     |
| Portable tank and bulk container special provisions                     | : TP33                                   |
| (ADR)<br>Tank code (ADR)  | : SGAH, L4BH                             |
| Tank special provisions (ADR)   | : TU15, TE19                             |
| Vehicle for tank carriage   | : AT                                     |
| Transport category (ADR)  | : 2                                      |
| Special provisions for carriage - Bulk (ADR)                            | : VC1, VC2, AP7                          |
| Special provisions for carriage - Loading, unloading                    | : CV13, CV28                             |
| and handling (ADR)<br>Special provisions for carriage - Operation (ADR) | : S9                                     |
| Hazard identification number (Kemler No.)                               | : 60                                     |
| Orange plates   |  |
|   | 60                                       |
|   | 1544                                     |
| Tunnal rostriction code (ADD)   |  |
| Tunnel restriction code (ADR)<br>EAC code                               | : E<br>: 2X                              |
|   |  |
| Transport by sea  |  |
| Special provisions (IMDG)   | : 43, 223, 274                           |
| Limited quantities (IMDG)<br>Excepted quantities (IMDG)                 | : 5 kg<br>: E1                           |
| Packing instructions (IMDG)   | : P002, LP02                             |
| IBC packing instructions (IMDG)   | : IBC08                                  |
| 25.00.2022 (Povinion data)  | EN (English) 9/11                        |

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| IBC special provisions (IMDG)                        | : B3   |
|--|--|
| Tank instructions (IMDG)                             | : T1   |
| Tank special provisions (IMDG)                       | : TP33   |
| EmS-No. (Fire)                                       | : F-A  |
| EmS-No. (Spillage)                                   | : S-A  |
| Stowage category (IMDG)                              | : A  |
| Properties and observations (IMDG)                   | : A wide range of toxic solids, generally of vegetable origin. Toxic if swallowed, by skin |
|  | contact or by inhalation.  |
| MFAG-No  | : 151  |
| Air transport  |  |
| PCA Excepted quantities (IATA)                       | : E1   |
| PCA Limited quantities (IATA)                        | : Y645   |
| PCA limited quantity max net quantity (IATA)         | : 10kg   |
| PCA packing instructions (IATA)                      | : 670  |
| PCA max net quantity (IATA)                          | : 100kg  |
| CAO packing instructions (IATA)                      | : 677  |
| CAO max net quantity (IATA)                          | : 200kg  |
| Special provisions (IATA)                            | : A3, A5, A6, A801   |
| ERG code (IATA)                                      | : 6L   |
| Inland waterway transport                            |  |
| Classification code (ADN)                            | : T2   |
| Special provisions (ADN)                             | : 43, 274, 802   |
| Limited quantities (ADN)                             | : 5 kg   |
| Excepted quantities (ADN)                            | : E1   |
| Equipment required (ADN)                             | : PP, EP   |
| Number of blue cones/lights (ADN)                    | : 0  |
| Rail transport                                       |  |
| Classification code (RID)                            | : T2   |
| Special provisions (RID)                             | : 43, 274  |
| Limited quantities (RID)                             | : 5kg  |
| Excepted quantities (RID)                            | : E1   |
| Packing instructions (RID)                           | : P002, IBC08, LP02, R001  |
| Special packing provisions (RID)                     | : B3   |
| Mixed packing provisions (RID)                       | : MP10   |
| Portable tank and bulk container instructions (RID)  | : T1   |
| Portable tank and bulk container special provisions  | : TP33   |
| (RID)  |  |
| Tank codes for RID tanks (RID)                       | : SGAH, L4BH   |
| Special provisions for RID tanks (RID)               | : TU15   |
| Transport category (RID)                             | : 2  |
| Special provisions for carriage – Bulk (RID)         | : VC1, VC2, AP7  |
| Special provisions for carriage - Loading, unloading | : CW13, CW28, CW31   |
| and handling (RID)                                   |  |
| Colis express (express parcels) (RID)                | : CE11   |
| Hazard identification number (RID)                   | : 60   |
| 14.7. Maritime transport in bulk according t         | o IMO instruments  |

## Not applicable

## **SECTION 15: Regulatory information**

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

## 15.1.1. EU-Regulations

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

No REACH Annex XVII restrictions

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

CAFFEINE ANHYDROUS AR is not on the REACH Annex XIV List

## **REACH Candidate List (SVHC)**

CAFFEINE ANHYDROUS AR is not on the REACH Candidate List

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

CAFFEINE ANHYDROUS AR is not subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 july 2012 concerning the export and import of hazardous chemicals.

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

CAFFEINE ANHYDROUS AR is not subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### Ozone Regulation (1005/2009)

CAFFEINE ANHYDROUS is not subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

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

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

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

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

### 15.1.2. National regulations

#### Germany

| Water hazard class (WGK)<br>Hazardous Incident Ordinance (12. BImSchV)   | <ul> <li>: WGK 1, Slightly hazardous to water (Classification according to AwSV; ID No. 3214).</li> <li>: Is not subject of the Hazardous Incident Ordinance (12. BImSchV)</li> </ul>               |
|--|---|
| Netherlands  |   |
| SZW-lijst van kankerverwekkende stoffen<br>SZW-lijst van mutagene stoffen<br>SZW-lijst van reprotoxische stoffen – Borstvoeding<br>SZW-lijst van reprotoxische stoffen –<br>Vruchtbaarheid<br>SZW-lijst van reprotoxische stoffen – Ontwikkeling | <ul> <li>The substance is not listed</li> </ul> |
| Denmark<br>MAL code<br>Danish National Regulations   | <ul> <li>: 00-3 (Executive Order No. 301 (1993))</li> <li>: Young people below the age of 18 years are not allowed to use the product</li> </ul>  |

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## **SECTION 16: Other information**

| Abbreviations and acronyms: |   |
|-----------------------------|---|
| 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)   |
| COD                         | Chemical oxygen demand (COD)  |
| DMEL                        | Derived Minimal Effect level  |

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| Abbreviations and acronyms: |  |
|-----------------------------|--|
| DNEL                        | Derived-No Effect Level  |
| EC-No.                      | European Community number  |
| EC50                        | Median effective concentration   |
| EN                          | European Standard  |
| IARC                        | International Agency for Research on Cancer                                  |
| ΙΑΤΑ                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration  |
| LD50                        | Median lethal dose   |
| LOAEL                       | Lowest Observed Adverse Effect Level   |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level   |
| NOEC                        | No-Observed Effect Concentration   |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit  |
| РВТ                         | Persistent Bioaccumulative Toxic   |
| PNEC                        | Predicted No-Effect Concentration  |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet  |
| STP                         | Sewage treatment plant   |
| ThOD                        | Theoretical oxygen demand (ThOD)   |
| TLM                         | Median Tolerance Limit   |
| VOC                         | Volatile Organic Compounds   |
| CAS-No.                     | Chemical Abstract Service number   |
| N.O.S.                      | Not Otherwise Specified  |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disrupting properties  |

| Full text of H- and EUH-statements: |                                   |
|-------------------------------------|-----------------------------------|
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4 |
| H302                                | Harmful if swallowed.             |

Safety Data Sheet (SDS), EU

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.