



# LTP Grimex Cleaner

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 13/10/2016 Revision date: 04/02/2025 Supersedes version of: 09/09/2024 Version: 7.0

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

#### 1.1. Product identifier

Product form : Mixture  
Product name : Grimex Cleaner  
UFI : 4PC0-Q0HN-800W-C3XX  
Product code : LTP/7

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

##### Relevant identified uses

Intended for general public  
Main use category : Consumer use, Professional use  
Use of the substance/mixture : Cleaning/washing agents and additives

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

##### Marketing Company & Exclusive Distributor

LTP  
Tone Industrial Estate  
Milverton Road  
TA21 0AN Wellington  
United Kingdom  
T 01823 666213  
[info@ltp-online.co.uk](mailto:info@ltp-online.co.uk), [www.ltp-online.co.uk](http://www.ltp-online.co.uk)

##### Manufacturer

J.V. Barrett & Co. Ltd Ltd  
St Ivel Way  
Warmley  
United Kingdom BS30 8TY Bristol  
United Kingdom  
T +44 (0)1179 60 00 60  
[sales@barrettine.co.uk](mailto:sales@barrettine.co.uk), [www.barrettine.co.uk](http://www.barrettine.co.uk)

#### 1.4. Emergency telephone number

Emergency number : +44 (0) 1179 600060 (Office hours only 8am - 5pm Mon- Thurs. 8 am - 4.30 pm Fri.)  
+44 (0) 1270 502891 (Out of hours emergency number)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Full text of H- and EUH-statements: see section 16

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

Causes skin irritation. Causes serious eye irritation.

#### 2.2. Label elements

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

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) : Warning  
Hazard statements (CLP) : H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves, eye protection.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337+P313 - If eye irritation persists: Get medical advice/attention.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Child-resistant fastening : Not applicable  
Tactile warning : Not applicable

### 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  | %               | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|-----------------|---|
| Dipropylene glycol methyl ether substance with a Community workplace exposure limit | CAS-No.: 34590-94-8<br>EC-No.: 252-104-2<br>REACH-no: 01-2119450011-60                              | $\geq 5 - < 10$ | Not classified  |
| Tetrapotassium pyrophosphate  | CAS-No.: 7320-34-5<br>EC-No.: 230-785-7<br>REACH-no: 01-2119489369-18                               | $\geq 1 - < 3$  | Eye Irrit. 2, H319  |
| Alcohols, C9-11 ethoxylated, < 2.5 EO   | CAS-No.: 68439-46-3<br>EC-No.: 614-482-0  | $\geq 1$        | Eye Dam. 1, H318  |
| Ammonia   | CAS-No.: 1336-21-6<br>EC-No.: 215-647-6<br>EC Index-No.: 007-001-01-2<br>REACH-no: 01-2119488876-14 | $\geq 1 - < 3$  | Skin Corr. 1B, H314<br>Aquatic Acute 1, H400                    |

#### Specific concentration limits:

| Name    | Product identifier  | Specific concentration limits (%)     |
|---------|---|---------------------------------------|
| Ammonia | CAS-No.: 1336-21-6<br>EC-No.: 215-647-6<br>EC Index-No.: 007-001-01-2<br>REACH-no: 01-2119488876-14 | $(5 \leq C \leq 100)$ STOT SE 3; H335 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.  
First-aid measures after eye contact : 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.

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First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation.  
Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 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 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

#### For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

#### For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. 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 and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorised 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

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.  
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

Storage conditions : 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

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

| Dipropylene glycol methyl ether (34590-94-8)  |   |
|---|---|
| United Kingdom - Occupational Exposure Limits |   |
| Local name                                    | (2-methoxymethylethoxy) propanol  |
| WEL TWA (OEL TWA)                             | 308 mg/m <sup>3</sup><br>50 ppm   |
| Remark  | Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity) |
| Regulatory reference                          | EH40/2005 (Fourth edition, 2020). HSE   |

#### 8.2. Exposure controls

##### Appropriate engineering controls

###### Appropriate engineering controls:

Ensure good ventilation of the work station.

##### Personal protection equipment

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



##### Eye and face protection

###### Eye protection:

Safety glasses

##### Skin protection

###### Skin and body protection:

Wear suitable protective clothing

###### Hand protection:

Protective gloves

##### Respiratory protection

###### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

##### Environmental exposure controls

###### Environmental exposure controls:

Avoid release to the environment.

### SECTION 9: Physical and chemical properties

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

|                 |                   |
|-----------------|-------------------|
| Physical state  | : Liquid          |
| Colour          | : Colourless.     |
| Odour           | : characteristic. |
| Odour threshold | : Not available   |
| Melting point   | : Not applicable  |
| Freezing point  | : Not available   |
| Boiling point   | : 100 °C          |
| Flammability    | : Not applicable  |

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|   |                        |
|---|------------------------|
| Lower explosion limit                           | : Not available        |
| Upper explosion limit                           | : Not available        |
| Flash point                                     | : Not available        |
| Auto-ignition temperature                       | : Not available        |
| Decomposition temperature                       | : Not available        |
| pH  | : 8 – 9                |
| Viscosity, kinematic                            | : Not available        |
| Solubility                                      | : completely miscible. |
| 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                                | : 1 – 1.05             |
| 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

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

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 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 classes as defined in Regulation (EC) No 1272/2008

|                             |                  |
|-----------------------------|------------------|
| Acute toxicity (oral)       | : Not classified |
| Acute toxicity (dermal)     | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

#### Ammonia (1336-21-6)

|               |                          |
|---------------|--------------------------|
| LD50 oral rat | > 350 mg/kg Source: HSDB |
|---------------|--------------------------|

#### Alcohols, C9-11 ethoxylated, < 2.5 EO (68439-46-3)

|                    |  |
|--------------------|--|
| LD50 oral rat      | 1378 mg/kg Source: Corporate Solution From Thomson Micromedex                              |
| LD50 dermal rat    | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LD50 dermal rabbit | 2000 mg/kg Source: Corporate Solution From Thomson Micromedex                              |

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|  |  |
|--|--|
| <b>Alcohols, C9-11 ethoxylated, &lt; 2.5 EO (68439-46-3)</b> |  |
| LC50 Inhalation - Rat  | > 1.6 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)  |
| <b>Tetrapotassium pyrophosphate (7320-34-5)</b>              |  |
| LD50 oral  | 4640 mg/kg bodyweight  |
| LD50 dermal rabbit   | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other:FMC Non-Definitive Dermal Toxicity Protocol (Number 7), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)   |
| LD50 dermal  | > 4640 mg/kg bodyweight  |
| LC50 Inhalation - Rat  | > 1.1 mg/l air Animal: rat, Guideline: other:FMC Acute Inhalation Toxicity Protocol Number 27, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: other:US EPA Toxic Substances Health Effect Test Guidelines, October, 1984; (PB82-232984) Acute Inhalation Toxicity Study., Guideline: other:Commission of the European Communities, Council Directive 67/548/EEC, Annex V, Part B.2.; May 1, 1987, Guideline: other:US EPA Pesticide Assessment Guidelines: Subdivision F, Hazard Evaluation: Human and Domestic Animals, Nov, 1984; 81-3 Acute Inhalation Study |
| LC50 Inhalation - Rat (Dust/Mist)                            | > 1100 mg/l  |
| <b>Dipropylene glycol methyl ether (34590-94-8)</b>          |  |
| LD50 oral rat  | > 5000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)   |
| LD50 dermal rat  | > 19020 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| LD50 dermal rabbit   | 9510 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)  |
| LC50 Inhalation - Rat  | > 3000 mg/m <sup>3</sup> Source: ECHA  |
| Skin corrosion/irritation                                    | : Causes skin irritation.<br>pH: 8 – 9   |
| <b>Alcohols, C9-11 ethoxylated, &lt; 2.5 EO (68439-46-3)</b> |  |
| pH   | 6 – 7.5  |
| <b>Tetrapotassium pyrophosphate (7320-34-5)</b>              |  |
| pH   | 10.5 Source: International Uniform Chemical Information Database   |
| Serious eye damage/irritation                                | : Causes serious eye irritation.<br>pH: 8 – 9  |
| <b>Alcohols, C9-11 ethoxylated, &lt; 2.5 EO (68439-46-3)</b> |  |
| pH   | 6 – 7.5  |
| <b>Tetrapotassium pyrophosphate (7320-34-5)</b>              |  |
| pH   | 10.5 Source: International Uniform Chemical Information Database   |
| 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   |
| <b>Alcohols, C9-11 ethoxylated, &lt; 2.5 EO (68439-46-3)</b> |  |
| NOAEL (oral, rat, 90 days)                                   | ≥ 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)  |

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### Tetrapotassium pyrophosphate (7320-34-5)

|                            |   |
|----------------------------|---|
| NOAEL (oral, rat, 90 days) | 500 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |
|----------------------------|---|

### Dipropylene glycol methyl ether (34590-94-8)

|                            |  |
|----------------------------|--|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight Animal: rat, Guideline: other:KANPOGYO No.700, YAKUHATSU No. 1039.61, and KIKYKU No. 1014. |
|----------------------------|--|

|                                     |  |
|-------------------------------------|--|
| NOAEL (dermal, rat/rabbit, 90 days) | 2850 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
|-------------------------------------|--|

Aspiration hazard : Not classified

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

### Ammonia (1336-21-6)

|                      |                                |
|----------------------|--------------------------------|
| EC50 - Crustacea [1] | > 0.66 mg/l Source: HSDB, ECHA |
|----------------------|--------------------------------|

### Alcohols, C9-11 ethoxylated, < 2.5 EO (68439-46-3)

|                 |   |
|-----------------|---|
| LC50 - Fish [1] | 5 – 7 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
|-----------------|---|

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | 2.5 mg/l Test organisms (species): Daphnia magna |
|----------------------|--|

|                      |  |
|----------------------|--|
| EC50 96h - Algae [1] | 1.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
|----------------------|--|

### Tetrapotassium pyrophosphate (7320-34-5)

|                 |   |
|-----------------|---|
| LC50 - Fish [1] | > 100 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
|-----------------|---|

|                      |  |
|----------------------|--|
| EC50 - Crustacea [1] | > 100 mg/l Test organisms (species): Daphnia magna |
|----------------------|--|

|                                    |                      |
|------------------------------------|----------------------|
| EC50 - Other aquatic organisms [1] | > 100 mg/l waterflea |
|------------------------------------|----------------------|

|                      |   |
|----------------------|---|
| EC50 72h - Algae [1] | > 100 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
|----------------------|---|

### Dipropylene glycol methyl ether (34590-94-8)

|                 |   |
|-----------------|---|
| LC50 - Fish [1] | > 1000 mg/l Test organisms (species): Poecilia reticulata |
|-----------------|---|

|                                    |   |
|------------------------------------|---|
| EC50 - Other aquatic organisms [1] | 1930 mg/l Test organisms (species): other aquatic crustacea:Acartia tonsa |
|------------------------------------|---|

|                      |  |
|----------------------|--|
| EC50 72h - Algae [1] | > 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
|----------------------|--|

|                      |  |
|----------------------|--|
| EC50 96h - Algae [1] | > 969 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
|----------------------|--|

|                |   |
|----------------|---|
| LOEC (chronic) | 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d' |
|----------------|---|

|                |   |
|----------------|---|
| NOEC (chronic) | ≥ 0.5 mg/l Test organisms (species): Daphnia magna Duration: '22 d' |
|----------------|---|

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### 12.2. Persistence and degradability

#### Grimex Cleaner

Persistence and degradability Not rapidly degradable

#### Ammonia (1336-21-6)

Persistence and degradability Not rapidly degradable

#### Alcohols, C9-11 ethoxylated, < 2.5 EO (68439-46-3)

Persistence and degradability Not rapidly degradable

#### Tetrapotassium pyrophosphate (7320-34-5)

Persistence and degradability Not rapidly degradable

#### Dipropylene glycol methyl ether (34590-94-8)

Persistence and degradability Not rapidly degradable

### 12.3. Bioaccumulative potential

#### Ammonia (1336-21-6)

Partition coefficient n-octanol/water (Log Pow) -2.66 Source: EPISUITE

#### Tetrapotassium pyrophosphate (7320-34-5)

Partition coefficient n-octanol/water (Log Pow) -10.45

### 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

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## 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>  |               |               |               |               |
| Not regulated for transport          |               |               |               |               |
| <b>14.2. UN proper shipping name</b> |               |               |               |               |
| Not regulated                        | Not regulated | Not regulated | Not regulated | Not regulated |

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| ADR                                     | IMDG          | IATA          | ADN           | RID           |
|---|---------------|---------------|---------------|---------------|
| <b>14.3. Transport hazard class(es)</b> |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |               |

### 14.6. Special precautions for user

#### Overland transport

Not regulated

#### Transport by sea

Not regulated

#### Air transport

Not regulated

#### Inland waterway transport

Not regulated

#### Rail transport

Not regulated

### 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)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### 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)

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

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

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

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

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### Drug Precursors Regulation (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)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### Indication of changes:

New format.

### 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   |
| BLV     | Biological limit value  |
| CAS-No. | Chemical Abstract Service number  |
| CLP     | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008                       |
| DMEL    | Derived Minimal Effect level  |
| DNEL    | Derived-No Effect Level   |
| EC50    | Median effective concentration  |
| EC-No.  | European Community number   |
| EN      | European Standard   |
| IATA    | 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  |
| OEL     | Occupational Exposure Limit   |
| PBT     | Persistent Bioaccumulative Toxic  |
| PNEC    | Predicted No-Effect Concentration   |
| REACH   | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID     | Regulations concerning the International Carriage of Dangerous Goods by Rail                      |
| SDS     | Safety Data Sheet   |
| vPvB    | Very Persistent and Very Bioaccumulative  |
| WGK     | Water Hazard Class  |

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

|                 |   |
|-----------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
|-----------------|---|

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

|               |  |
|---------------|--|
| Eye Dam. 1    | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2  | Serious eye damage/eye irritation, Category 2  |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| STOT SE 3     | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H314          | Causes severe skin burns and eye damage.   |
| H315          | Causes skin irritation.  |
| H318          | Causes serious eye damage.   |
| H319          | Causes serious eye irritation.   |
| H335          | May cause respiratory irritation.  |
| H400          | Very toxic to aquatic life.  |

The classification complies with : ATP 12

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.