



# SAFETY DATA SHEET

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

### 1.1. Product identifier

Trade name or designation of the mixture VALVE CLEANER

Registration number -

Synonyms None.

Product code UDS000336BU

Issue date 21-October-2022

Version number 1.0

Revision date 21-October-2022

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

Identified uses Additives

Uses advised against None known.

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

Company name CRC Industries Europe bv

Address Touwslagerstraat 1  
9240 Zele  
Belgium

Telephone +32(0)52/45.60.11

Fax +32(0)52/45.00.34

E-mail hse@crcind.com

Website www.crcind.com

1.4. Emergency telephone number Tel.: +32(0)52/45.60.11 (office hours: 9-17h CET)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Health hazards

Aspiration hazard Category 1 H304 - May be fatal if swallowed and enters airways.

##### Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard Category 3 H412 - Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Hydrocarbons, C10, aromatics, >1% naphthalene, Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics

#### Hazard pictograms



Signal word Danger

#### Hazard statements

H304 May be fatal if swallowed and enters airways.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

##### Prevention

P102 Keep out of reach of children.  
P273 Avoid release to the environment.

**Response**P301 + P310  
P331IF SWALLOWED: Immediately call a POISON CENTRE/doctor.  
Do NOT induce vomiting.**Storage**

P405

Store locked up.

**Disposal**

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information**EUH066 - Repeated exposure may cause skin dryness or cracking.  
EUH208 - Contains Esterification products of alkenyl succinic anhydride and 2-dialkylamino ethanol. May produce an allergic reaction.**2.3. Other hazards**

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General information**

| Chemical name   | %        | CAS-No. / EC No.  | REACH Registration No. | Index No. | Notes |
|---|----------|-------------------|------------------------|-----------|-------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics                         | 75 - 100 | -<br>926-141-6    | 01-2119456620-43       | -         |       |
| <b>Classification:</b> Asp. Tox. 1;H304   |          |                   |                        |           |       |
| Hydrocarbons, C10, aromatics, >1% naphthalene   | 5 - 10   | -<br>919-284-0    | 01-2119463588-24       | -         |       |
| <b>Classification:</b> Carc. 2;H351, STOT SE 3;H336, Asp. Tox. 1;H304, Aquatic Chronic 2;H411 |          |                   |                        |           |       |
| Phenol, (dimethylamino)methyl-, polyisobutylene derivs.                                       | 5 - 10   | -<br>937-027-0    | -                      | -         |       |
| <b>Classification:</b> Aquatic Chronic 3;H412   |          |                   |                        |           |       |
| Esterification products of alkenyl succinic anhydride and 2-dialkylamino ethanol              | <0.5     | Confidential<br>- | -                      | -         |       |
| <b>Classification:</b> Eye Dam. 1;H318, Skin Sens. 1B;H317, Aquatic Chronic 3;H412            |          |                   |                        |           |       |

**Impurities**

| Chemical name                      | %   | CAS-No. / EC No.      | REACH Registration No. | Index No.    | Notes |
|------------------------------------|-----|-----------------------|------------------------|--------------|-------|
| 1,2,4-Trimethyl benzene            | 1-5 | 95-63-6<br>202-436-9  | 01-2119472135-42       | 601-043-00-3 | #     |
| 1,2,3-Trimethylbenzene             | <1  | 526-73-8<br>208-394-8 | -                      | -            | #     |
| Naphthalene                        | <1  | 91-20-3<br>202-049-5  | 01-2119561346-37       | 601-052-00-2 | #     |
| mesitylene; 1,3,5-trimethylbenzene | <1  | 108-67-8<br>203-604-4 | 01-2119463878-19       | 601-025-00-5 | #     |

**List of abbreviations and symbols that may be used above**

ATE: Acute toxicity estimate.

M: M-factor

vPvB: very persistent and very bioaccumulative substance.

PBT: persistent, bioaccumulative and toxic substance.

#: This substance has been assigned Union workplace exposure limit(s).

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments**

Occupational Exposure Limits for impurities are listed in Section 8. The full text for all H-statements is displayed in section 16.

**SECTION 4: First aid measures****General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

**4.1. Description of first aid measures****Inhalation**

Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact**

Wash off with soap and water. Get medical attention if irritation develops and persists.

**Eye contact**

Rinse with water. Get medical attention if irritation develops and persists.

|  |   |
|--|---|
| <b>Ingestion</b>   | Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| <b>4.2. Most important symptoms and effects, both acute and delayed</b>                | Aspiration may cause pulmonary oedema and pneumonitis. Direct contact with eyes may cause temporary irritation.   |
| <b>4.3. Indication of any immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.  |

## SECTION 5: Firefighting measures

|   |  |
|---|--|
| <b>General fire hazards</b>                                       | Combustible liquid.  |
| <b>5.1. Extinguishing media</b>                                   |  |
| <b>Suitable extinguishing media</b>                               | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).   |
| <b>Unsuitable extinguishing media</b>                             | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>5.2. Special hazards arising from the substance or mixture</b> | The product is combustible, and heating may generate vapours which may form explosive vapour/air mixtures. During fire, gases hazardous to health may be formed. |
| <b>5.3. Advice for firefighters</b>                               |  |
| <b>Special protective equipment for firefighters</b>              | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  |
| <b>Special fire fighting procedures</b>                           | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.   |
| <b>Specific methods</b>   | Use standard firefighting procedures and consider the hazards of other involved materials.   |

## SECTION 6: Accidental release measures

|   |  |
|---|--|
| <b>6.1. Personal precautions, protective equipment and emergency procedures</b> |  |
| <b>For non-emergency personnel</b>  | Wear appropriate personal protective equipment.  |
| <b>For emergency responders</b>   | Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.   |
| <b>6.2. Environmental precautions</b>   | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.   |
| <b>6.3. Methods and material for containment and cleaning up</b>                | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. The product is immiscible with water and will spread on the water surface. Prevent product from entering drains.                              |
|   | Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. |
|   | Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  |
|   | Never return spills to original containers for re-use.   |
| <b>6.4. Reference to other sections</b>   | For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.  |

## SECTION 7: Handling and storage

|  |   |
|--|---|
| <b>7.1. Precautions for safe handling</b>                                | Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. |
| <b>7.2. Conditions for safe storage, including any incompatibilities</b> | Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).                                     |
| <b>7.3. Specific end use(s)</b>  | Observe industrial sector guidance on best practices.   |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

## Occupational exposure limits

### UK. EH40 Workplace Exposure Limits (WELs)

| Impurities  | Type | Value                   |
|---|------|-------------------------|
| 1,2,3-Trimethylbenzene<br>(CAS 526-73-8)                | TWA  | 125 mg/m3<br><br>25 ppm |
| 1,2,4-Trimethyl benzene<br>(CAS 95-63-6)                | TWA  | 125 mg/m3<br><br>25 ppm |
| mesitylene;<br>1,3,5-trimethylbenzene<br>(CAS 108-67-8) | TWA  | 125 mg/m3<br><br>25 ppm |

## Biological limit values

### UK. EH40 Biological Monitoring Guidance Values (BMGVs)

| Impurities                | Value      | Determinant     | Specimen            | Sampling Time |
|---------------------------|------------|-----------------|---------------------|---------------|
| Naphthalene (CAS 91-20-3) | 4 umol/mol | 1-Hydroxypyrene | Creatinine in urine | *             |

\* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

## 8.2. Exposure controls

**Appropriate engineering controls** Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

## Individual protection measures, such as personal protective equipment

**General information** Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Eye/face protection** Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

### Skin protection

**- Hand protection** When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended.

**- Other** Wear suitable protective clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge. (Filter type A)

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

**Hygiene measures** When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Environmental exposure controls** Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

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

#### Appearance

**Physical state** Liquid.

**Form** Liquid.

**Colour** Colourless.

**Odour** Solvent.

|   |                                |
|---|--------------------------------|
| <b>Odour threshold</b>                              | Not available.                 |
| <b>pH</b>   | Not applicable.                |
| <b>Melting point/freezing point</b>                 | Not available.                 |
| <b>Initial boiling point and boiling range</b>      | Not available.                 |
| <b>Flash point</b>                                  | 68.0 °C (154.4 °F) Closed cup  |
| <b>Evaporation rate</b>                             | Not available.                 |
| <b>Flammability (solid, gas)</b>                    | Not available.                 |
| <b>Upper/lower flammability or explosive limits</b> |                                |
| <b>Explosive limit - lower (%)</b>                  | Not available.                 |
| <b>Explosive limit – upper (%)</b>                  | Not available.                 |
| <b>Vapour pressure</b>                              | Not available.                 |
| <b>Vapour density</b>                               | Not available.                 |
| <b>Relative density</b>                             | 0.82 g/cm <sup>3</sup> at 20°C |
| <b>Solubility(ies)</b>                              |                                |
| <b>Solubility (water)</b>                           | Insoluble in water             |
| <b>Auto-ignition temperature</b>                    | Not available.                 |
| <b>Decomposition temperature</b>                    | Not available.                 |
| <b>Viscosity</b>                                    | Not available.                 |
| <b>Explosive properties</b>                         | Not explosive.                 |
| <b>Oxidising properties</b>                         | Not oxidising.                 |

## 9.2. Other information

### Aerosol spray enclosed space

**Deflagration density** Not applicable.

**Aerosol spray ignition distance** Not applicable.

**Heat of combustion** Not available.

**VOC** 658 g/l

## SECTION 10: Stability and reactivity

|   |  |
|---|--|
| <b>10.1. Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.  |
| <b>10.2. Chemical stability</b>                 | Material is stable under normal conditions.  |
| <b>10.3. Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.  |
| <b>10.4. Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>10.5. Incompatible materials</b>             | Strong oxidising agents.   |
| <b>10.6. Hazardous decomposition products</b>   | Not available.   |

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

**Inhalation** May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged inhalation may be harmful.

**Skin contact** May cause an allergic skin reaction.

**Eye contact** Based on available data, the classification criteria are not met.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

**Symptoms** Aspiration may cause pulmonary oedema and pneumonitis.

### 11.1. Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways.

| Components  | Species | Test Results                   |
|---|---------|--------------------------------|
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics |         |                                |
| <b>Acute</b>  |         |                                |
| <b>Dermal</b>   |         |                                |
| LD50  | Rabbit  | > 5000 mg/kg                   |
| <b>Inhalation</b>   |         |                                |
| LC50  | Rat     | > 5000 mg/m <sup>3</sup> , 8 h |
| <b>Oral</b>   |         |                                |
| LD50  | Rat     | > 5000 mg/kg                   |
| Impurities  | Species | Test Results                   |

|  |   |                         |
|--|---|-------------------------|
| Naphthalene (CAS 91-20-3)                |   |                         |
| <b>Acute</b>                             |   |                         |
| <b>Dermal</b>                            |   |                         |
| LD50                                     | Rabbit  | > 2000 mg/kg            |
| <b>Inhalation</b>                        |   |                         |
| LC50                                     | Rat   | > 340 mg/m <sup>3</sup> |
| <b>Oral</b>                              |   |                         |
| LD50                                     | Rat   | 490 mg/kg               |
| <b>Skin corrosion/irritation</b>         | Based on available data, the classification criteria are not met. |                         |
| <b>Serious eye damage/eye irritation</b> | Based on available data, the classification criteria are not met. |                         |
| <b>Respiratory sensitisation</b>         | Based on available data, the classification criteria are not met. |                         |
| <b>Skin sensitisation</b>                | Based on available data, the classification criteria are not met. |                         |
| <b>Germ cell mutagenicity</b>            | Based on available data, the classification criteria are not met. |                         |
| <b>Carcinogenicity</b>                   | Based on available data, the classification criteria are not met. |                         |

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Naphthalene (CAS 91-20-3) 2B Possibly carcinogenic to humans.

|   |   |
|---|---|
| <b>Reproductive toxicity</b>                              | Based on available data, the classification criteria are not met. |
| <b>Specific target organ toxicity - single exposure</b>   | Based on available data, the classification criteria are not met. |
| <b>Specific target organ toxicity - repeated exposure</b> | Based on available data, the classification criteria are not met. |
| <b>Aspiration hazard</b>                                  | May be fatal if swallowed and enters airways.                     |
| <b>Mixture versus substance information</b>               | Not available.  |
| <b>Other information</b>                                  | May cause allergic respiratory and skin reactions.                |

## SECTION 12: Ecological information

**12.1. Toxicity** Harmful to aquatic life with long lasting effects.

| Components  | Species                  | Test Results    |
|---|--------------------------|-----------------|
| Hydrocarbons, C10, aromatics, >1% naphthalene                         |                          |                 |
| <b>Aquatic</b>  |                          |                 |
| <i>Acute</i>  |                          |                 |
| Crustacea   | EC50 Daphnia             | 3 mg/l, 2 days  |
| Fish  | LC50 Fish                | 2 mg/l, 4 days  |
| Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics |                          |                 |
| <b>Aquatic</b>  |                          |                 |
| <i>Acute</i>  |                          |                 |
| Crustacea   | EC50 Daphnia             | 1000 mg/l, 48 h |
| Fish  | LC50 Oncorhynchus mykiss | 1000 mg/l, 96 h |
| Phenol, (dimethylamino)methyl-, polyisobutylene derivs.               |                          |                 |
| <b>Aquatic</b>  |                          |                 |
| <i>Acute</i>  |                          |                 |
| Algae   | EC50 Algae               | > 450 mg/l      |
| Crustacea   | EC50 Daphnia             | > 100 mg/l      |

| Components                |      | Species   | Test Results        |
|---------------------------|------|-----------|---------------------|
| Fish                      | LC50 | Fish      | 31 mg/l             |
| Impurities                |      | Species   | Test Results        |
| Naphthalene (CAS 91-20-3) |      |           |                     |
| <b>Aquatic</b>            |      |           |                     |
| <i>Acute</i>              |      |           |                     |
| Crustacea                 | EC50 | Daphnia   | 1.96 mg/l, 48 hours |
|                           | LC50 | Crustacea | 2350 µg/l, 48 hours |
| Fish                      | LC50 | Fish      | 1.6 mg/l, 96 hours  |
| <i>Chronic</i>            |      |           |                     |
| Crustacea                 | NOEC | Crustacea | 0.5 mg/l, 3 weeks   |
| Fish                      | NOEC | Fish      | 1.5 mg/l, 60 days   |

**12.2. Persistence and degradability**

No data is available on the degradability of any ingredients in the mixture.

**12.3. Bioaccumulative potential**

No data available.

**Partition coefficient**

Not available.

**n-octanol/water (log Kow)**

|                                    |      |
|------------------------------------|------|
| mesitylene; 1,3,5-trimethylbenzene | 3.42 |
| Naphthalene                        | 3.3  |
| 1,2,4-Trimethyl benzene            | 3.78 |

**Bioconcentration factor (BCF)**

Not available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Other adverse effects**

The product contains volatile organic compounds which have a photochemical ozone creation potential.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Residual waste**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code**

The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions**

Dispose in accordance with all applicable regulations.

**SECTION 14: Transport information**

**ADR**

14.1. - 14.6.: Not regulated as dangerous goods.

**RID**

14.1. - 14.6.: Not regulated as dangerous goods.

**ADN**

14.1. - 14.6.: Not regulated as dangerous goods.

**IATA**

14.1. - 14.6.: Not regulated as dangerous goods.

**IMDG**

14.1. - 14.6.: Not regulated as dangerous goods.

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not established.

## SECTION 15: Regulatory information

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

#### Retained direct EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Naphthalene (CAS 91-20-3)

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

1,2,4-Trimethyl benzene (CAS 95-63-6)

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

1,2,4-Trimethyl benzene (CAS 95-63-6)

mesitylene; 1,3,5-trimethylbenzene (CAS 108-67-8)

Naphthalene (CAS 91-20-3)

#### Other regulations

This product is classified and labelled in accordance with the retained CLP Regulation (EC) No 1272/2008, as amended for Great Britain. This Safety Data Sheet is compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758.

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

#### List of abbreviations

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.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

CAS: Chemical Abstract Service.

Ceiling: Short Term Exposure Limit Ceiling value.

CEN: European Committee for Standardization.

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

GWP: Global Warming Potential.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation Authorization and Restriction of Chemicals).



RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VLE: Exposure Limit Value.

VME: Exposure Average Value.

VOC: Volatile organic compounds.

vPvB: Very persistent and very bioaccumulative.

STEL: Short-term Exposure Limit.

Not available.

## References

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any statements, which are not written out in full under sections 2 to 15

H304 May be fatal if swallowed and enters airways.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

## Revision information

None.

## Training information

Follow training instructions when handling this material.

## Disclaimer

CRC Industries Europe bvba cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.