according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830



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

1.1. product identifiers

Article No. (manufacturer/supplier) 2558

Trade name/designation Hardener A-2286

for 2K-ACQUAPUR ACR

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

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Vismara Unternehmungen CH-5000 Aarau www.farbladen.ch

Department responsible for information:

Labor

E-mail info@eclatin.ch

1.4. Emergency telephone number

Emergency telephone number +41 32 622 41 41 Toxikologisches Zentrum +41 44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Flam. Liq. 3 / H226 Flammable liquids Flammable liquid and vapour.

Acute Tox. 4 / H332 Acute toxicity (inhalative) Harmful if inhaled.

Skin Sens. 1 / H317 Respiratory or skin sensitisation May cause an allergic skin reaction. STOT SE 3 / H335 STOT-single exposure May cause respiratory irritation.

Aquatic Chronic 3 / H412 Hazardous to the aquatic environment Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms





Warning

Hazard statements

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H317 May cause an allergic skin reaction. H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves and eve/face protection.

P370 + P378 In case of fire: Use extinguishing powder or sand to extinguish. P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

Hazard components for labelling

hexamethylene-di-isocyanate Aliphatic polyisocyanate HDI homopolymer

Supplemental hazard information

EUH204 Contains isocyanates. May produce an allergic reaction.

2.3. Other hazards

No information available.

according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EU) 2015/830

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SECTION 3: Composition / information on ingredients

3.2. Mixtures

Description Aliphatic Polyisocyanate

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

EC No. CAS No. Index No.	REACH No. Designation classification // Remark	weight-%
160994-68-3	Aliphatic polyisocyanate 25 - 50 Acute Tox. 4 H332 / Skin Sens. 1 H317 / STOT SE 3 H335 / Aquatic Acute 3 H402 / Aquatic Chronic 3 H412	
500-060-2 28182-81-2	01-2119488934-20 HDI homopolymer Acute Tox. 4 H332 / Skin Sens. 1 H317 / STOT SE 3 H335	25 - 50
212-485-8 822-06-0 615-011-00-1	01-2119457571-37 hexamethylene-di-isocyanate < 0.5 Acute Tox. 3 H331 / Eye Irrit. 2 H319 / STOT SE 3 H335 / Skin Irrit. 2 H315 / Resp. Sens. 1 H334 / Skin Sens. 1 H317 Specific concentration limit (SCL): Resp. Sens. 1 H334 >= 0.5 / Skin Sens. 1 H317 >= 0.5	

Additional information

Full text of classification: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

After eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice immediately.

Following ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol resistant foam, carbon dioxide, Powder, spray mist, (water)

Unsuitable extinguishing media

strong water jet

5.2. Special hazards arising from the substance or mixture

Dense black smoke occurs during fire. Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EU) 2015/830

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Provide a conveniently located respiratory protective device. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

6.2. **Environmental precautions**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Clean using cleansing agents. Do not use solvents.

Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protection equipment: refer to section 8. Do not empty containers with pressure no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

Further information

Vapours are heavier than air. Vapours form explosive mixtures with air.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Specific end use(s) 7.3.

Observe technical data sheet. Observe instructions for use.

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limit values:

not applicable

DNEL:

hexamethylene-di-isocyanate

Index No. 615-011-00-1 / EC No. 212-485-8 / CAS No. 822-06-0

DNEL acute dermal, short-term (local), Workers: 0,07 mg/kg

DNEL acute inhalative (local), Workers: 0,07 mg/m³

DNEL long-term inhalative (systemic), Workers: 0,035 mg/m³

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HDI homopolymer

EC No. 500-060-2 / CAS No. 28182-81-2

DNEL acute inhalative (local), Workers: 1 mg/m³ DNEL long-term inhalative (local), Workers: 0,5 mg/m³

PNEC:

HDI homopolymer

EC No. 500-060-2 / CAS No. 28182-81-2 PNEC aquatic, freshwater: 0,127 mg/L

PNEC sediment, freshwater: 266700 mg/kg Sediment dry weight

PNEC sediment, marine water: 266700 mg/kg

PNEC, soil: 53182 mg/kg

PNEC sewage treatment plant (STP): 38,28 mg/L

8.2. **Exposure controls**

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190). Use only respiratory protection equipment with CE-symbol including four digit test number.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material > 0.4 mm; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye/face protection

Wear closely fitting protective glasses in case of splashes.

Body protection

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

Initial boiling point and boiling range:

9 1 Information on basic physical and chemical properties

Appearance:

Physical state: Liquid Colour: refer to label Odour. characteristic Odour threshold: not applicable pH at 20 °C: not applicable Melting point/freezing point: not applicable

Source: dipropylene-glycol-dimethyl-ether

Flash point:

Method: DIN 53213

175 °C

Evaporation rate: not applicable

flammability

Burning time: not applicable

Upper/lower flammability or explosive limits:

Lower explosion limit: 0.8 Vol-%

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Upper explosion limit: not applicable Vapour pressure at 20 °C: not applicable Vapour density: not applicable

Relative density:

Density at 20 °C: 1.09 g/cm³

Solubility(ies):

Water solubility at 20 °C: insoluble
Partition coefficient: n-octanol/water: see section 12

Auto-ignition temperature: 165 °C

Source: dipropylene-glycol-dimethyl-ether

Decomposition temperature: not applicable Viscosity at 20 °C: 16 s 6 mm

Method: DIN 53211 not applicable

Explosive properties: not applicable
Oxidising properties: not applicable

9.2. Other information

Solid content: 80 weight-%

solvent content:

Organic solvents: 20 weight-% Water: 0 weight-%

Solvent separation test: < 3 weight-% (ADR/RID)

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

not applicable

10.6. Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

SECTION 11: Toxicological information

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

11.1. Information on toxicological effects

Acute toxicity

Harmful if inhaled.

hexamethylene-di-isocyanate oral, LD50, Rat: 746 mg/kg Method: OECD 401

dermal, LD50, Rat: > 7000 mg/kg

Method: OECD 402

dermal, LD50, Rabbit: 570 mg/kg

inhalative (vapours), LC50, Rat: 0,124 mg/L (4 h)

Method: OECD 403

inhalative (vapours), LC50, Mouse: 1,57 mg/L

HDI homopolymer

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dermal, LD50, Rat: > 2000 mg/kg

Method: OECD 402

inhalative (vapours), LC50, Rat: 543 mg/L (4 h)

Method: OECD 403

inhalative (vapours), LC50, Rat, female: 390 mg/m³ (4 h)

Method: OECD 403 Aliphatic polyisocyanate oral, LD50, Rat: 2000 mg/kg

inhalative (vapours), LC50, Rat: 0,5 mg/L (4 h) inhalative (vapours), LC0, Rat: 0,39 mg/L (4 h)

Skin corrosion/irritation; Serious eye damage/eye irritation

hexamethylene-di-isocyanate

Skin (4 h)

Method: OECD 404

Corrosive eyes

Method: OECD 405

Causes serious eye irritation.; Causes serious eye damage.

HDI homopolymer Skin, Rabbit (4 h) Method: OECD 404 slight irritant

slight irritant eyes, Rabbit Method: OECD 405 slight irritant

Aliphatic polyisocyanate

Skin (4 h)

No data available

eyes

No data available

Respiratory or skin sensitisation

May cause an allergic skin reaction.

hexamethylene-di-isocyanate

Skin, Guinea pig: ; Evaluation positive

Method: OECD 406

Respiratory system, Guinea pig: ; Evaluation positive

Method: OECD 406 HDI homopolymer

Skin, Guinea pig: ; Evaluation sensitising

Method: OECD 406 Magnuson/Klingmann test

Respiratory system, Guinea pig: ; Evaluation sensitising

Method: OECD 406 Magnuson/Klingmann test Aliphatic polyisocyanate

Skin:

No data available Respiratory system: No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

hexamethylene-di-isocyanate

Germ cell mutagenicity

Mutagenicity (mammalian cell test): chromosome aberration. Ovarian cells of Chinese hamster Result: negative Carcinogenicity

Didn't show any carcinogenic effects in animal tests.

Reproductive toxicity

No effect on fertility in animal studies.

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Genotoxicity in vivo; Evaluation negative

Method: OECD 474

Mouse: Inhalation; bone marrow

Genotoxicity in vitro; Evaluation negative

Method: Ames test Salmonella typhimurium

teratogenicity

Did not show any fruit-damaging effect in animal experiments.

HDI homopolymer

Germ cell mutagenicity

The product showed no mutagenic properties in bacteria and mammalian cell cultures.

Carcinogenicity No data available Reproductive toxicity No data available

Aliphatic polyisocyanate

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available

STOT-single exposure; STOT-repeated exposure

May cause respiratory irritation.

hexamethylene-di-isocyanate

Specific target organ toxicity (single exposure)

May cause respiratory irritation.; Target organs: Respiratory system

Specific target organ toxicity (repeated exposure)

No data available

HDI homopolymer

Specific target organ toxicity (single exposure) Evaluation May cause respiratory irritation.

Specific target organ toxicity (repeated exposure) Evaluation After repeated recording, the local irritant effect is in the foreground.

Aspiration hazard

HDI homopolymer

Aspiration hazard; Evaluation No danger of aspiration to be assumed.

Aliphatic polvisocvanate

Aspiration hazard

No data available

Practical experience/human evidence

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatique, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

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

Do not allow to enter into surface water or drains.

12.1. Toxicity

hexamethylene-di-isocyanate

Fish toxicity, LC50, Danio rerio (zebrafish): 22 mg/L (96 h)

Algae toxicity, ErC50, Desmodesmus subspicatus: > 77,4 mg/L (72 h)

Method: OECD 201

according to Regulation (EC) No. 1907/2006 (REACH)

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accompanying analysis: yes

growth inhibition, NOEC, Desmodesmus subspicatus: 11,7 mg/L (72 h)

Method: OECD 201 accompanying analysis: yes

Bacteria toxicity, EC0, Pseudomonas putida: 100 mg/L (24 h)

(IUCLID)

respiratory inhibition, EC50, Activated sludge: 842 mg/L (3 h)

Method: OECD 209 HDI homopolymer

Fish toxicity, LC50, Danio rerio (zebrafish): > 100 mg/L (96 h)

Method: OECD 203

Daphnia toxicity, EC50, Daphnia magna: > 100 mg/L (48 h)

Method: OECD 202

Algae toxicity, IC50, Scenedesmus subspicatus: > 100 mg/L (72 h)

Method: OECD 201

Bacteria toxicity, EC50, Activated sludge: 1000 mg/L (3 h)

Method: OECD 209

Aliphatic polyisocyanate

Fish toxicity, LC50, Danio rerio (zebrafish): 28,3 mg/L (96 h) Daphnia toxicity, EC50, Daphnia magna: > 100 mg/L (48 h)

Algae toxicity, ErC50, Scenedesmus subspicatus: > 100 mg/L (72 h) Toxicity of Microoganisms, EC50, Mysidopsis bahia: > 10000 mg/L

Toxicity of Microoganisms, EC50, Mysidopsis bani

Long-term Ecotoxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

hexamethylene-di-isocyanate

Biodegradation: < 0,0001 percent (28 d); Evaluation Poorly eliminated from water.

Method: OECD 302C HDI homopolymer

Biodegradation: Evaluation Not readily biodegradable (according to OECD criteria)

Method: OECD 301C Aliphatic polyisocyanate Biodegradation: No data available

12.3. Bioaccumulative potential

HDI homopolymer

Distribution coefficient n-octanol/water (log KOW):

No data available

Aliphatic polyisocyanate

Distribution coefficient n-octanol/water (log KOW):

No data available

12.4. Mobility in soil

HDI homopolymer

soil:

No data available

Aliphatic polyisocyanate

soil:

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product

according to Regulation (EC) No. 1907/2006 (REACH)

according to Regulation (EU) 2015/830

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Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

Waste paint and varnish containing organic solvents or other dangerous substances

*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

Appropriate disposal / Package

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

SECTION 14: Transport information

14.1. UN number

UN 1263

14.2. UN proper shipping name

Land transport (ADR/RID): Paint Sea transport (IMDG): **PAINT** Air transport (ICAO-TI / IATA-DGR): Paint

14.3. Transport hazard class(es)

Land transport (ADR/RID): KEINE GÜTER DER KLASSE 3

bei Gebinden > 450 l Klasse 3

Sea transport (IMDG) 3

for packages < 30 litres: Transport in accordance with 2.3.2.5 of the IMDG Code.

Air transport (ICAO-TI / IATA-DGR)

14.4. Packing group

Ш

14.5. Environmental hazards

Land transport (ADR/RID) not applicable Marine pollutant not applicable

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

Further information

Land transport (ADR/RID)

D/E tunnel restriction code

Sea transport (IMDG)

F-E, S-E EmS-No.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

SECTION 15: Regulatory information

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

EU legislation

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]

VOC-value (in g/L): 218

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

15.2. Chemical Safety Assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

EC No.	Designation	REACH No.
CAS No.		

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500-060-2 HDI homopolymer 01-2119488934-20

28182-81-2

212-485-8 hexamethylene-di-isocyanate 01-2119457571-37

822-06-0

SECTION 16: Other information

Full text of classification in section 3

Acute Tox. 4 / H332 Acute toxicity (inhalative) Harmful if inhaled.

Skin Sens. 1 / H317 Respiratory or skin sensitisation May cause an allergic skin reaction.

STOT SE 3 / H335 STOT-single exposure May cause respiratory irritation.

Aquatic Acute 3 / H402 Hazardous to the aquatic environment Harmful to aquatic organisms.

Aquatic Chronic 3 / H412 Hazardous to the aquatic environment Harmful to aquatic life with long lasting effects.

Acute Tox. 3 / H331 Acute toxicity (inhalative) Toxic if inhaled.

Eye Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation.

Skin Irrit. 2 / H315 Skin corrosion/irritation Causes skin irritation.

Resp. Sens. 1 / H334 Respiratory or skin sensitisation May cause allergy or asthma symptoms or

breathing difficulties if inhaled.

Classification procedure

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Flam. Liq. 3 Flammable liquids On basis of test data.

Acute Tox. 4 Acute toxicity (inhalative) Calculation method.

Skin Sens. 1 Respiratory or skin sensitisation Calculation method.

STOT SE 3 STOT-single exposure Calculation method.

Aquatic Chronic 3 Hazardous to the aquatic environment Calculation method.

Abbreviations and acronyms

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

OEL Occupational Exposure Limit Value

BLV Biological Limit Value CAS Chemical Abstracts Service

CLP Classification, Labelling and Packaging CMR Carcinogenic, Mutagenic and Reprotoxic

DIN German Institute for Standardization / German industrial standard

DNEL Derived No-Effect Level

EAKV European Waste Catalogue Directive

EC Effective Concentration
EC European Community
EN European Standard

IATA-DGR International Air Transport Association – Dangerous Goods Regulations

IBC Code International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk ICAO-TI International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous

Goods by Air

IMDG Code International Maritime Code for Dangerous Goods ISO International Organization for Standardization

LC Lethal Concentration

LD Lethal Dose

MARPOL Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OECD Organisation for Economic Cooperation and Development

PBT persistent, bioaccumulative, toxic PNEC Predicted No Effect Concentration

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals

RID Regulations concerning the International Carriage of Dangerous Goods by Rail

UN United Nations

VOC Volatile Organic Compounds

vPvB very persistent and very bioaccumulative

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in section 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) according to Regulation (EU) 2015/830

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and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.