

# SAFETY DATA SHEET

according to Regulation (EC) No. 830/2015

## MACROFAN UHS SLOW HARDENER

Version 1.14

Revision Date 29.10.2021

Print Date 08.11.2021

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

#### 1.1 Product identifier

Trade name : MACROFAN UHS SLOW HARDENER  
Product code : LOMH0100

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

Use of the : Paints, varnishes and enamels  
Substance/Mixture  
Chemical nature : Polyisocyanic compound - professional use

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

Company : Lechler SpA  
Via Cecilio 17  
22100 Como- CO-  
Telephone : +39031586111  
Telefax : +39031586206  
E-mail address : safety@lechler.eu  
Responsible/issuing person

#### 1.4 Emergency telephone number

Tel. +39-031-586301 - This telephone number is available during office hours only. (8.00-18.00)
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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapour.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Long-term (chronic) aquatic hazard, Category 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

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### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements	:	H226 H304	Flammable liquid and vapour. May be fatal if swallowed and enters airways.
		H317	May cause an allergic skin reaction.
		H332	Harmful if inhaled.
		H335	May cause respiratory irritation.
		H336	May cause drowsiness or dizziness.
		H412	Harmful to aquatic life with long lasting effects.

Precautionary statements	:	<b>Prevention:</b> P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
		P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
		<b>Response:</b> P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
		P331	Do NOT induce vomiting.
		P370 + P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

- 28182-81-2 Polysocyanate HDI Derivative
- 64742-95-6 Hydrocarbons, C9, aromatics
- 54839-24-6 2-ethoxy-1-methylethyl acetate
- 112-07-2 2-butoxyethyl acetate

### Additional Labelling:

EUH204 Contains isocyanates. May produce an allergic reaction.

### 2.3 Other hazards

None known.

The information required is contained in this Material Safety Data Sheet.

## SECTION 3: Composition/information on ingredients

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### 3.2 Mixtures

Chemical nature : Liquid solution

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Polysocyanate HDI Derivative	28182-81-2 931-274-8 01-2119485796-17	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335	>= 50 - < 70
2-ethoxy-1-methylethyl acetate	54839-24-6 259-370-9 01-2119475116-39	Flam. Liq. 3; H226 STOT SE 3; H336	>= 10 - < 20
Hydrocarbons, C9, aromatics	64742-95-6 918-668-5 01-2119455851-35	Flam. Liq. 3; H226 STOT SE 3; H335 STOT SE 3; H336 Asp. Tox. 1; H304 Aquatic Chronic 2; H411 Note P	>= 10 - < 20
2-butoxyethyl acetate	112-07-2 203-933-3 01-2119475112-47	Acute Tox. 4; H302 Acute Tox. 4; H332 Acute Tox. 4; H312	>= 10 - < 20

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- General advice : When symptoms persist or in all cases of doubt seek medical advice.  
Never give anything by mouth to an unconscious person.
- If inhaled : Remove to fresh air.  
Keep patient warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash skin thoroughly with soap and water or use recognized skin cleanser.  
Do NOT use solvents or thinners.  
Put shower on working place
- In case of eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.  
Seek medical advice.  
Put eye-washer on working place  
Remove contact lenses.

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If swallowed : If accidentally swallowed obtain immediate medical attention.  
Do NOT induce vomiting.  
Keep at rest.

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

Symptoms : No information available.

Risks : No information available.

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

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.  
Seek medical advice.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Keep containers and surroundings cool with water spray.

Unsuitable extinguishing media : Do NOT use water jet.

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

Specific hazards during firefighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.  
Cool closed containers exposed to fire with water spray.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

## SECTION 6: Accidental release measures

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

Personal precautions : Solvent vapours are heavier than air and may spread along floors.  
Ensure adequate ventilation.  
Use personal protective equipment.

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Evacuate personnel to safe areas.  
Keep people away from and upwind of spill/leak.  
Ventilate the area.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.  
If the product contaminates rivers and lakes or drains inform respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean with detergents. Avoid solvents.  
Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises water (45 parts by volume)/ethanol or isopropanol (50 parts)/concentrated (d: 0.880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts)/water (95 parts).  
  
Pick up and transfer to properly labelled containers.  
Clean contaminated surface thoroughly.  
Dam up.  
Soak up with inert absorbent material and dispose of as hazardous waste.

### 6.4 Reference to other sections

Refer to section 15 for specific national regulation.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see section 8).  
Use only in area provided with appropriate exhaust ventilation.  
Avoid contact with skin, eyes and clothing.  
Smoking, eating and drinking should be prohibited in the application area.  
Avoid inhalation of vapour or mist.  
For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Thoroughly mix before using  
After using, store in a well-sealed container

Advice on protection against fire and explosion : Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than

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the occupational exposure limits.  
When transferring from one container to another apply earthing measures and use conductive hose material.  
No sparking tools should be used.  
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.  
No smoking.

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

Requirements for storage areas and containers : Observe label precautions.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Store between 5° and 35°C in a dry, well ventilated place away from source of heat, ignition and direct sunlight.  
Electrical installations / working materials must comply with the technological safety standards.  
Store in accordance with the particular national regulations.

Advice on common storage : Keep away from oxidizing agents, strongly acid or alkaline materials, as well as of amines, alcohols and water.

German storage class : 3 Flammable liquids

### 7.3 Specific end use(s)

: This information is not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Components	CAS-No.	Value	Control parameters	Update	Basis
2-butoxyethyl acetate	112-07-2	TWA	20 ppm 133 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			
		STEL	50 ppm 333 mg/m <sup>3</sup>	2000-06-16	2000/39/EC
Further information	:	skin: Identifies the possibility of significant uptake through the skinIndicative			
Hydrocarbons, C9, aromatics	64742-95-6	TWA	19 ppm 100 mg/m <sup>3</sup>		ACGIH

DNEL

Polysocyanate HDI Derivative : End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term local effects  
Value: 0,5 mg/m<sup>3</sup>

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	<p>End Use: Workers Exposure routes: Inhalation Potential health effects: Short-term local effects Value: 1 mg/m3</p>
Hydrocarbons, C9, aromatics	<p>: End Use: Consumers Exposure routes: Oral Potential health effects: Long-term systemic effects Value: 11 mg/kg</p> <p>End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 32 mg/m3</p> <p>End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 11 mg/kg</p> <p>End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 150 mg/m3</p> <p>End Use: Workers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 25 mg/kg</p>
2-butoxyethyl acetate	<p>: End Use: Consumers Exposure routes: Inhalation Potential health effects: Acute local effects Value: 200 mg/m3</p> <p>End Use: Consumers Exposure routes: Dermal Potential health effects: Acute systemic effects Value: 72 mg/kg</p> <p>End Use: Consumers Exposure routes: Oral Potential health effects: Acute systemic effects Value: 36 mg/kg</p> <p>End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 80 mg/m3</p> <p>End Use: Consumers Exposure routes: Dermal Potential health effects: Long-term systemic effects Value: 102 mg/kg</p>

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End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Acute local effects  
Value: 333 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Long-term systemic effects  
Value: 133 mg/m<sup>3</sup>

End Use: Workers  
Exposure routes: Dermal  
Potential health effects: Long-term systemic effects  
Value: 169 mg/kg

### PNEC

Polysocyanate HDI Derivative : Marine water  
Value: 0,0127 mg/l

Fresh water  
Value: 0,127 mg/l

Marine sediment  
Value: 26670 mg/kg

Fresh water sediment  
Value: 266700 mg/kg

Intermittent use/release  
Value: 1,27 mg/l

Sewage treatment plant  
Value: 38,3 mg/l

Soil  
Value: 53182 mg/kg

2-butoxyethyl acetate : Fresh water  
Value: 0,304 mg/l

Marine water  
Value: 0,03 mg/l

Fresh water sediment  
Value: 2,03 mg/kg

Marine sediment  
Value: 0,203 mg/kg

Soil  
Value: 0,415 mg/kg

Sewage treatment plant



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Value: 90 mg/l

### 8.2 Exposure controls

#### Engineering measures

Use only in spray paint booth or enclosure.

#### Personal protective equipment

- Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.  
Wear a positive-pressure supplied-air respirator.  
Apply technical measures to comply with the occupational exposure limits.
- Hand protection : For prolonged or repeated contact use protective gloves.  
Chemical resistant gloves made of butyl rubber or nitrile rubber category III according to EN 374.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.  
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.  
Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.  
Skin should be washed after contact.  
Wash your hands and put on barrier creams
- Eye protection : Chemical resistant goggles must be worn.
- Skin and body protection : Skin should be washed after contact.  
Personnel should wear protective clothing.  
Flame retardant antistatic protective clothing.  
Workers should wear antistatic footwear.

#### Environmental exposure controls

- General advice : Try to prevent the material from entering drains or water courses.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Odour : solvent-like

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Flash point	: > 23 - 55 °C
Ignition temperature	: not determined
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Auto-ignition temperature	: Not applicable
pH	: not determined
Freezing point	: Not applicable
Boiling point	: not determined
Vapour pressure	: 1 hPa at 50 °C
Density	: 1,0581 g/cm <sup>3</sup>
Water solubility	: not determined
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: not determined
Flow time	: 33 s 2 mm Method: ASTM D 1200 '82
Relative vapour density	: Not applicable
Evaporation rate	: not determined

### 9.2 Other information

Solids by weight	: 57 %
Volatile organic compounds (VOC) content	: 43 %

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None reasonably foreseeable.

### 10.2 Chemical stability

The product is chemically stable.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. Avoid moisture.
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Amines and alcohols cause exothermic reactions.  
Mixture reacts slowly with water resulting in evolution of CO<sub>2</sub>.  
Evolution of CO<sub>2</sub> in closed containers causes overpressure and produces a risk of bursting.

### 10.4 Conditions to avoid

Conditions to avoid : Our products were manufactured in compliance with safety standards to avoid decomposition and degrading under the defined conditions.  
Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring it.

### 10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

Thermal decomposition : Not applicable

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 2,18 mg/l, 4 h, dust/mist, Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method

Acute toxicity (other routes of administration) : Isocyanates may cause acute irritation and/or sensitisation of the respiratory system leading to tightness of the chest, wheeziness and an asthmatic condition., Persons allergic to isocyanates, and particularly those suffering from asthma or other respiratory conditions, should not work with isocyanates.

Skin corrosion/irritation : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin., The product may be absorbed through the skin.

Further information : The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

#### Components:

##### **Polysocyanate HDI Derivative :**

Acute oral toxicity : LD50: > 2.500 mg/kg, Rat(female), OECD Test Guideline

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Acute inhalation toxicity	: LC50: 0,39 mg/l, 4 h, Rat(female), dust/mist, OECD Test Guideline 403
Acute dermal toxicity	: LD50: > 2.000 mg/kg, Rat(male and female), OECD Test Guideline 402
Skin corrosion/irritation	: Rabbit, Classification: No skin irritation, OECD Test Guideline 404, 4 h
Serious eye damage/eye irritation	: Rabbit, Classification: No eye irritation, OECD Test Guideline 405
Respiratory or skin sensitisation	: Local lymph node assay (LLNA), Mouse, Result: positive, Classification: May cause sensitisation by skin contact., OECD Test Guideline 429

### 2-ethoxy-1-methylethyl acetate :

Acute oral toxicity : LD50: > 5.000 mg/kg, Rat

### Hydrocarbons, C9, aromatics :

Acute oral toxicity : LD50: 3.592 mg/kg, Rat, OECD Test Guideline 401

Acute dermal toxicity : LD50: > 3.160 mg/kg, Rabbit, OECD Test Guideline 402

### 2-butoxyethyl acetate :

Acute oral toxicity : LD50: 1.880 mg/kg, Rat

Acute inhalation toxicity : LC0: 400 ppm, 4 h, Rat,

Acute dermal toxicity : Acute toxicity estimate: 1.100 mg/kg, Converted acute toxicity point estimate

: LD50: 1.500 mg/kg, Rabbit

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish :  
Remarks:  
No data is available on the product itself.

Toxicity to fish  
Polysocyanate HDI  
Derivative : LC50: > 100 mg/l  
Exposure time: 96 h  
  
Species: Danio rerio (zebra fish)  
Method: Directive 67/548/EEC, Annex V, C.1.

2-ethoxy-1-methylethyl  
acetate : LC50: 140 mg/l  
Exposure time: 48 h  
  
Species: Oncorhynchus mykiss (rainbow trout)

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Hydrocarbons, C9, aromatics : LC50: 9,2 mg/l  
Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

### 12.2 Persistence and degradability

Biodegradability : No data available

### 12.3 Bioaccumulative potential

Bioaccumulation : No data available

### 12.4 Mobility in soil

Mobility : No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

Additional ecological information : The product contains dangerous substances for the environment (see chapter no 3).  
The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Disposal together with normal waste is not allowed. Special disposal required according to local regulations.  
Must be incinerated.

## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 1263

IMDG : UN 1263

IATA : UN 1263

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### 14.2 Proper shipping name

<b>ADR</b>	PAINT RELATED MATERIAL
<b>IMDG</b>	PAINT RELATED MATERIAL
<b>IATA</b>	Paint related material

### 14.3 Transport hazard class(es)

<b>ADR</b>	: 3
<b>IMDG</b>	: 3
<b>IATA</b>	: 3

### 14.4 Packing group

#### **ADR**

Packing group	: III
Classification Code	: F1
Hazard Identification Number	: 30
Labels	: 3

#### **IMDG**

Packing group	: III
Labels	: 3
EmS Code	: F - E, S - E

#### **IATA**

Packing group	: III
Labels	: 3

### 14.5 Environmental hazards

#### **ADR**

Environmentally hazardous	: no
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#### **IMDG**

Marine pollutant	: no
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#### **IATA**

Environmentally hazardous	: no
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### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : 3

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

MAL-Code-Number : 4-5 (1993)  
1.615-m3 air/10 g

PR-Number (DK) : 4380507

Storage class (TRGS 510) : 3: Flammable liquids

Risk classification according to VbF : Exempt  
see user defined free text

Water contaminating class (Germany) : obviously hazardous to water

Ordinance on facilities for handling substances that are hazardous to water (AwSV)  
Classification according to AwSV, Annex 1 (5.2)

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This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.  
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

### 15.2 Chemical safety assessment

No data is available on the product itself.

## SECTION 16: Other information

### Full text of H-Statements referred to under sections 2 and 3.

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### List of references

Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Key or legend to abbreviations and acronyms used in the safety data sheet**



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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; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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