

SAFETY DATA SHEET

according to Regulation (EC) No. 830/2015

ULTRAFAN UV-TECH PUTTY

Version 1.1

Revision Date 25.11.2021

Print Date 06.05.2022

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

1.1 Product identifier

Trade name : ULTRAFAN UV-TECH PUTTY
Product code : L0UV0100

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

Use of the Substance/Mixture : Paints, varnishes and enamels
Chemical nature : Thick mono compound filler

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)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H315
H317
H319
H411

Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**

P261
P273
P280

Avoid breathing dust.
Avoid release to the environment.
Wear protective gloves/ eye protection/ face protection.

Response:

P314

Get medical advice/ attention if you feel unwell.

Hazardous components which must be listed on the label:

- 42978-66-5 (1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate
- 5888-33-5 exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate
- 13048-33-4 hexane-1,6-diol diacrylate
- 84434-11-7 ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate
- 55818-57-0 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid
- 2387352-64-7 Reaction mass of trimethylolpropane triacrylate and hexamethyleneimine

2.3 Other hazards

None known.

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

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature

: Solvent-free

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Hexanoic acid, 6- [[[[[1,3,3-trimethyl-5-	119107-13-0	Skin Irrit. 2; H315 Eye Irrit. 2; H319	>= 10 - < 20

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[[[6-oxo-6-[2-[(1-oxo-2-propenyl)oxy]ethoxy]hexyl]oxy]carbonyl]amino]cyclohexyl]methyl]amino]carbonyl]oxy]-, 2-[(1-oxo-2-propenyl)oxy]ethyl ester			
exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate	5888-33-5 227-561-6 01-2119957862-25	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 (Acute M=1) (Chronic M=1)	>= 2,5 - < 10
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	55818-57-0 500-130-2 01-2119490020-53	Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 2,5 - < 10
Reaction mass of trimethylolpropane triacrylate and hexamethyleneimine	2387352-64-7 946-043-7 01-2120786563-43	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Aquatic Chronic 3; H412	>= 2,5 - < 10
hexane-1,6-diol diacrylate	13048-33-4 235-921-9 01-2119484737-22	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Acute 1; H400 Aquatic Chronic 2; H411 (Acute M=1) Note D	>= 2,5 - < 10
ethyl phenyl(2,4,6-trimethylbenzoyl)phosphinate	84434-11-7 282-810-6 01-2119987994-10-0000	Skin Sens. 1B; H317 Aquatic Chronic 2; H411	>= 1 - < 2,5
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	42978-66-5 256-032-2 01-2119484613-34	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 STOT SE 3; H335 Aquatic Chronic 2; H411	>= 1 - < 2,5
Substances with a workplace exposure limit :			
kaolin	1332-58-7 310-194-1		>= 1 - < 10
silicon dioxide	7631-86-9 231-545-4 01-2119379499-16		>= 1 - < 10
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6 238-877-9		>= 1 - < 10

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

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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. |
| 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. |
|--------------------------------------|---|--|

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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 : Use personal protective equipment.
Refer to protective measures listed in sections 7 and 8.
Material can create slippery conditions.

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.
Sweep up and shovel into suitable containers for disposal.

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 contact with skin, eyes and clothing.
Thoroughly mix before using
After using, store in a well-sealed container
Smoking, eating and drinking should be prohibited in the application area.

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.
Solvent vapours are heavier than air and may spread along floors.
Electrical installations / working materials must comply with the technological safety standards.
No smoking.
Store between 5° and 35°C in a dry, well ventilated place away from source of heat, ignition and direct sunlight.
Store in accordance with the particular national regulations.

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Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

German storage class : 11 Combustible Solids

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
silicon dioxide	7631-86-9	TWA	0,1 mg/m3	2017-12-27	2004/37/EC
Further information	: Carcinogens or mutagens				
Talc (Mg3H2(SiO3)4)	14807-96-6	TWA	0,1 mg/m3	2017-12-27	2004/37/EC
Further information	: Carcinogens or mutagens				
kaolin	1332-58-7	TWA	0,1 mg/m3	2017-12-27	2004/37/EC
Further information	: Carcinogens or mutagens				
		TWA	2 mg/m3	2010-03-01	ACGIH

DNEL

4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 1,17 mg/m3

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 33 mg/kg

hexane-1,6-diol diacrylate

: End Use: Workers
Exposure routes: Inhalation
Potential health effects: Long-term systemic effects
Value: 24,48 mg/m3

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Value: 2,77 mg/kg

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	End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 7,24 mg/m3
	End Use: Consumers Exposure routes: Ingestion Potential health effects: Long-term systemic effects Value: 2,08 mg/kg
	End Use: Consumers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 1,66 mg/kg
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	: End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 2,94 mg/m3
	End Use: Workers Exposure routes: Skin contact Potential health effects: Long-term systemic effects Value: 1,7 mg/kg
PNEC 4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	: Fresh water Value: 0,1 mg/l
	Marine water Value: 0,01 mg/l
	Sewage treatment plant Value: 10 mg/l
	Intermittent use/release Value: 1 mg/l
	Soil Value: 7,1 mg/kg
	Marine sediment Value: 3,58 mg/kg
	Fresh water sediment Value: 35,8 mg/kg
hexane-1,6-diol diacrylate	: Fresh water Value: 0,007 mg/l
	Marine water

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	Value: 0,001 mg/l
	Fresh water sediment Value: 0,493 mg/kg
	Soil Value: 0,094 mg/kg
	Sewage treatment plant Value: 2,7 mg/l
	Marine sediment Value: 0,049 mg/kg
(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)] diacrylate	: Fresh water Value: 0,007 mg/l
	Marine water Value: 0,0007 mg/l
	Sewage treatment plant Value: 100 mg/l
	Intermittent use/release Value: 0,73 mg/l
	Soil Value: 0,002 mg/kg dry weight (d.w.)
	Fresh water sediment Value: 0,033 mg/kg dry weight (d.w.)
	Marine sediment Value: 0,003 mg/kg dry weight (d.w.)

8.2 Exposure controls

Personal protective equipment

Respiratory protection	: Apply technical measures to comply with the occupational exposure limits. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation. If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time. Respirator with combination filter for vapour/particulate (EN 141)
Hand protection	: Protective gloves complying with EN 374. For prolonged or repeated contact use protective gloves. Wash your hands and put on barrier creams Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.

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Eye protection	: Skin should be washed after contact.
Skin and body protection	: Chemical resistant goggles must be worn.
	: Personnel should wear protective clothing.
	: Skin should be washed after contact.

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	: solid
Odour	: solvent-like
Flash point	: > 100 °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	: 1,0 hPa at 50 °C
Density	: 1,37 g/cm ³
Water solubility	: not determined
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: not determined
Relative vapour density	: Not applicable
Evaporation rate	: not determined

9.2 Other information

Solids by weight	: 100 %
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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 : No dangerous reaction known under conditions of normal use.

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 (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
Thermal decomposition : Not applicable

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

Acute inhalation toxicity : Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects., Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

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

Components:

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Reaction mass of trimethylolpropane triacrylate and hexamethyleneimine :

Acute oral toxicity : LD50: > 2.000 mg/kg, Rat

hexane-1,6-diol diacrylate :

Acute oral toxicity : LD50: > 5.000 mg/kg, Rat, OECD Test Guideline 401

Acute inhalation toxicity : 0,41 mg/l, 7 h, Rat,

Acute dermal toxicity : LD50: 3.650 mg/kg, Rabbit, OECD Test Guideline 402

silicon dioxide :

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

Acute inhalation toxicity : LC0: 0,139 mg/l, 4 h, Rat, The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50: > 5.000 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
hexane-1,6-diol diacrylate : LC50: 0,38 mg/l
Exposure time: 96 h

Species: Oryzias latipes (Japanese medaka)
Method: OECD Test Guideline 203

exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate : 1
hexamethylene diacrylate : 1
Toxicity to fish (Chronic toxicity)
hexane-1,6-diol diacrylate : NOEC: 0,072 mg/l
Exposure time: 39 d
Species: Oryzias latipes (Japanese medaka)
Method: OECD Test Guideline 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
hexane-1,6-diol diacrylate : NOEC: 0,14 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

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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.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
The following Waste Codes are only suggestions: 150110*

SECTION 14: Transport information

14.1 UN number

ADR : UN 3077

IMDG : UN 3077

IATA : UN 3077

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14.2 Proper shipping name

ADR	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
IATA	Environmentally hazardous substance, solid, n.o.s.

14.3 Transport hazard class(es)

ADR	: 9
IMDG	: 9
IATA	: 9

14.4 Packing group

ADR

Packing group	: III
Classification Code	: M7
Hazard Identification Number	: 90
Labels	: 9

IMDG

Packing group	: III
Labels	: 9
EmS Code	: F-A,S-F

IATA

Packing group	: III
Labels	: 9

14.5 Environmental hazards

ADR

Environmentally hazardous	: yes
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IMDG

Marine pollutant	: yes
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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) : Not applicable

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 : 00-6 (1993)
0-m3 air/10 g

Storage class (TRGS 510) : 11: Combustible Solids

Risk classification according to VbF : Not applicable

Water contaminating class (Germany) : highly hazardous to water

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

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

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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.

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.