

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 10/23/2019 Version: 1.0

SECTION 4. Identification of the substant	noolmisture and of the commonstructure destability
SECTION 1: Identification of the substa 1.1. Product identifier	nce/mixture and of the company/undertaking
1.1. Product identifier Product form	: Substance
Substance name	: Isophorone diisocyanate (IPDI)
Chemical name	: 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate; isophorone di-isocyanate
EC Index-No.	: 615-008-00-5
EC-No.	: 223-861-6
CAS-No.	: 4098-71-9
Product code	: 90023219
Formula	: C12H18N2O2
Product group	: Raw material
1.2. Relevant identified uses of the substance	ce or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Laboratory use,Industrial use,Professional use
Industrial/Professional use spec	: For professional use only
Use of the substance/mixture	: For analytical purposes Scientific research and development
	Not for human consumption or veterinary purposes.
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safety data	sheet
Supplier	
Scafell Organics	
Molekula Ltd	
Lingfield Way Darlington - England	
T +44 (0) 1949 823777 / +44 (0) 7590 545705	
info@molekula.com / kbowen@molekula.com - www	molekula.com
1.4. Emergency telephone number	
Emergency number : +	-44 (0) 7590 545705
SECTION 2: Hazards identification	
2.1. Classification of the substance or mixtu	re
Classification according to Regulation (EC) No. 1	272/2008 [CLP]
Acute toxicity (inhal.), Category 3	H331
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity — Single exposure, Cat Respiratory tract irritation	egory 3, H335
Skin corrosion/irritation, Category 2	H315
Respiratory sensitisation, Category 2	H334
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Chronic Ha	zard, Category 2 H411
Full text of H statements : see section 16	
Specific concentration limits:	Deen Sone 1 1/224
$(C \ge 0.5)$	Resp. Sens. 1, H334
(C >= 0.5)	Skin Sens. 1, H317
Adverse physicochemical, human health and env No additional information available 2.2. Label elements	ironmental effects
Labelling according to Regulation (EC) No. 1272/2	2008 [CLP]
Hazard pictograms (CLP)	
	• • • • •

GHS08 : Danger

GHS06 GHS09

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Hazard statements (CLP)	 H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H331 - Toxic if inhaled. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 - May cause respiratory irritation. H411 - Toxic to aquatic life with long lasting effects.
Precautionary statements (CLP)	 P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients 3.1. Substances	
Product identifier	%
(CAS-No.) 4098-71-9 (EC-No.) 223-861-6 (EC Index-No.) 615-008-00-5	100
	Product identifier (CAS-No.) 4098-71-9 (EC-No.) 223-861-6

3.2. Mixtures

Not applicable

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If possible show this sheet, if not available show packaging or label. Never give anything by mouth to an unconscious person. Do not leave affected person unattended.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. If breathing difficulties persist : Get medical advice/attention.
First-aid measures after skin contact	: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Do not remove clothing if it sticks to the skin. If irritation persists, consult a doctor.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth out with water. Do not induce vomiting. Get medical advice/attention.
4.2. Most important symptoms and effects	, both acute and delayed
Symptoms/effects	: May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause sensitisation of susceptible persons.
Symptoms/effects after inhalation	: Toxic if inhaled. May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing. Headache. More severe symptoms are also possible.
Symptoms/effects after skin contact	: May cause skin irritation. Redness, pain. More severe symptoms are also possible.
Symptoms/effects after eye contact	: May cause severe irritation. Blurred vision. redness, itching, tears. stinging.
Symptoms/effects after ingestion	: Swallowing a small quantity of this material will result in serious health hazard. Symptoms of ingestion include drowsiness, weakness, headache, dizziness, nausea, vomiting. More severe symptoms are also possible.

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

Immediately call a POISON CENTER/doctor.

SECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.	
Unsuitable extinguishing media	: Do not use a heavy water stream.	
5.2. Special hazards arising from the substance or mixture		
Hazardous decomposition products in case of fire	: Carbon oxides (CO, CO2). Nitrogen oxides.	
5.3. Advice for firefighters		
Precautionary measures fire	: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.	
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.	

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Other information

: Warn all persons of toxic hazard.

SECTION 6: Accidental release measure	res	
6.1. Personal precautions, protective equip		
General measures	: Isolate from fire, if possible, without unnecessary risk. Do not breathe gas, fumes, vapour or spray. No flames, no sparks. Eliminate all sources of ignition.	
6.1.1. For non-emergency personnel		
Protective equipment	: Wear recommended personal protective equipment.	
Emergency procedures	: Evacuate unnecessary personnel. Mark out the contaminated area with signs and prevent access to unauthorized personnel. Do not touch or walk on the spilled product. Avoid contact with skin, eyes and clothing.	
Measures in case of dust release	: Shelter from vapours by keeping upwind. Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).	
6.1.2. For emergency responders		
Protective equipment	: Equip cleanup crew with proper protection. Use self-contained breathing apparatus and chemically protective clothing.	
Emergency procedures	: Ventilate area.	
6.2. Environmental precautions		
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.		
6.3. Methods and material for containment and cleaning up		
For containment	: Collect spillage. Contain the spilled material by bunding.	
Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Try to stop release if without risk.	
C. A. Deference to other continue		

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Avoid formation of vapours. Provide local exhaust or general room ventilation.
Hygiene measures	: Take off immediately all contaminated clothing and wash it before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.
7.2. Conditions for safe storage, including a	ny incompatibilities
Technical measures	: Ensure adequate ventilation, especially in confined areas.
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Direct sunlight. Keep container closed when not in use. Moisture sensitive.
Incompatible products	: Strong oxidizing agents. Acids. alcohols.
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources. Moisture sensitive.
Heat and ignition sources	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Storage area	: Store below 20 °C. Store in dry protected location to prevent any moisture contact.
7.3. Specific end use(s)	

For analytical purposes. Scientific research and development. Not for human consumption or veterinary purposes.

SECTION 8: Exposure controls/personal protection 8.1. Control parameters Isophorone diisocyanate (IPDI) (4098-71-9)		
United Kingdom	WEL TWA (mg/m³)	0.02 mg/m ³ UK. EH40 WEL - Workplace Exposure Limits
United Kingdom	WEL STEL (mg/m³)	0.07 mg/m³ UK. EH40 WEL - Workplace Exposure Limits

8.2. Exposure controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety procedures. Floors should be impervious, resistant to liquids and easy to clean.

Personal protective equipment:

Avoid all unnecessary exposure.

Materials for protective clothing:

Wear suitable protective clothing, gloves and eye/face protection

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Hand protection: The protective gloves to be used must comply with the specifications of the regulation 2016/425 and the resultant standard EN 374 Туре Material Permeation Thickness (mm) Penetration Standard Nitrile rubber (NBR) EN 374 Disposable gloves 6 (> 480 minutes) 0.11 Eye protection: Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Use eye protection according to EN 166, designed to protect against liquid splashes. Use Characteristics Standard Туре Safety goggles, Face shield Droplet, vapours tightly fitting safety goggles, With EN 166 side shields Skin and body protection: Emergency safety showers should be available in the immediate vicinity of any potential exposure. Keep suitable chemically resistant protective clothing readily available for emergency use Standard Туре Total impervious protective suits, gloves, and boots must be worn to EN 14605 prevent any contact with the product **Respiratory protection:** Keep self contained breathing apparatus readily available for emergency use. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended Filter type Condition Standard Device Air-Purifying Respirator (APR), Moist condition, Mist formation, EN 14387 ABEK reusable Protection for Liquid particles, Vapour protection Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and che		
Physical state	: Liquid	
Molecular mass	: 222.28 g/mol	
Colour	: colourless to yellow.	
Odour	: No data available.	
Odour threshold	: No data available	
рН	: No data available	
Relative evaporation rate (butylacetate=1)	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: 158 - 159 °C lit.	
Flash point	: 163 °C closed cup.	
Auto-ignition temperature	: 430 °C	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: Non flammable.	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Relative density	: 1.049 g/cm3	
Solubility	: No data available	
Log Pow	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	
9.2. Other information		
No additional information available		

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SECTION 10: Stability and reactivity
10.1. Reactivity
The product is non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability
Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of hazardous reactions
No dangerous reactions known under normal conditions of use.
10.4. Conditions to avoid
Protect from sunlight. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Moisture.
10.5. Incompatible materials
Strong oxidizers. Acids. Alcohols.
10.6. Hazardous decomposition products
No hazardous decomposition products known at room temperature. Thermal decomposition generates : Carbon oxides (CO, CO2). Nitrogen oxides

SECTION 11: Toxicological information	
11.1. Information on toxicological effects	
Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Inhalation: Toxic if inhaled.
Isophorone diisocyanate (IPDI) (4098-71-9)	
LD50 oral rat	4814 mg/kg
LD50 dermal rat	> 7000 mg/kg
Skin corrosion/irritation	: Causes skin irritation.
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation.
Additional information	: Based on available data, the classification criteria are not met
Respiratory or skin sensitisation	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause respiratory irritation.
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information		
12.1. Toxicity		
Acute aquatic toxicity :	Not classified	
Chronic aquatic toxicity :	Toxic to aquatic life with long lasting effects.	
Isophorone diisocyanate (IPDI) (4098-71-9)		
LC50 fish 1	> 72 mg/l Danio rerio (zebra fish) 96hr	
EC50 Daphnia 1	27 mg/l - Daphnia magna (Water flea) 48hr	
EC50 72h algae (1)	> 70 mg/l Desmodesmus subspicatus (green algae) 72hr	
12.2. Persistence and degradability		
Isophorone diisocyanate (IPDI) (4098-71-9)		
Persistence and degradability	No data available.	
Biodegradation	0 % Not readily biodegradable	

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12.3. Bioaccumulative potential	
Isophorone diisocyanate (IPDI) (4098-71-9)	
Bioaccumulative potential	No data available.
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
Isophorone diisocyanate (IPDI) (4098-71-9)	
This substance/mixture does not meet the PBT criteria	of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria	of REACH regulation, annex XIII
12.6. Other adverse effects	
Additional information :	Avoid release to the environment.

SECTION 13: Disposal considerations 13.1. Waste treatment methods

Product/Packaging disposal recommendations Ecology - waste materials

: Dispose in a safe manner in accordance with local/national regulations.

: Avoid release to the environment. Hazardous waste due to toxicity.

ADR	IMDG	ΙΑΤΑ	ADN	RID
ADK	INDG		ADN	Ы
14.1. UN number				
2290	2290	2290	2290	2290
14.2. UN proper shippin	g name			
ISOPHORONE DIISOCYANATE	ISOPHORONE DIISOCYANATE	Isophorone diisocyanate	ISOPHORONE DIISOCYANATE	ISOPHORONE DIISOCYANATE
Transport document descr	iption			
UN 2290 ISOPHORONE DIISOCYANATE, 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS	UN 2290 ISOPHORONE DIISOCYANATE, 6.1, III, MARINE POLLUTANT/ENVIRONME NTALLY HAZARDOUS	UN 2290 Isophorone diisocyanate, 6.1, III, ENVIRONMENTALLY HAZARDOUS	UN 2290 ISOPHORONE DIISOCYANATE, 6.1, III, ENVIRONMENTALLY HAZARDOUS	UN 2290 ISOPHORONE DIISOCYANATE, 6.1, III ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard o	class(es)			
6.1	6.1	6.1	6.1	6.1
6 ¥2	6	· ·		6
14.4. Packing group				
	III	III	Ш	Ш
14.5. Environmental haz	ards			
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary informatio	n available			
4.6. Special precautions	s for user			
overland transport				
lassification code (ADR)	: T1			
imited quantities (ADR)	: 51			
xcepted quantities (ADR)	: E1			
acking instructions (ADR)		01, IBC03, LP01, R001		
lixed packing provisions (AD	R) : MP	19		
Vixed packing provisions (AD Portable tank and bulk contain (ADR)	,	19		

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according to Regulation (EC) No. 1907/2006 (REACH) with	its amendment Regulation (EU) 2015/830
Portable tank and bulk container special provisions (ADR)	: TP2
Tank code (ADR)	: L4BH
Tank special provisions (ADR)	: TU15, TE19
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13, CV28
Special provisions for carriage - Operation (ADR) Hazard identification number (Kemler No.)	: S9 : 60
Orange plates	60 2290
Tunnel restriction code (ADR)	:E
EAC code	: 2Z
Transport by sea	
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-A
Stowage category (IMDG)	: B
Stowage and handling (IMDG)	: SW2
Properties and observations (IMDG)	: Colourless or yellowish liquid. Immiscible with water. When involved in a fire, evolves nitrous fumes. Toxic if swallowed, by skin contact or by inhalation. Irritating to skin, eyes and mucous membranes.
Air transport	
PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y642
PCA limited quantity max net quantity (IATA)	: 2L
PCA packing instructions (IATA)	: 655
PCA max net quantity (IATA)	: 60L
CAO packing instructions (IATA)	: 663
CAO max net quantity (IATA)	: 220L
ERG code (IATA)	: 6L
Inland waterway transport	
Classification code (ADN)	: T1
Special provisions (ADN)	: 802
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Equipment required (ADN)	: PP, EP, TOX, A
Ventilation (ADN)	: VE02
Number of blue cones/lights (ADN)	: 0
Rail transport	
Classification code (RID)	: T1
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP2
Tank codes for RID tanks (RID)	: L4BH
Special provisions for RID tanks (RID)	: TU15
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W12

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Special provisions for carriage - Load unloading and handling (RID)	ding, : CW13, CW28, CW31
Colis express (express parcels) (RID	D) : CE8
lazard identification number (RID)	: 60
4.7. Transport in bulk accordi lot applicable	ing to Annex II of Marpol and the IBC Code
SECTION 15: Regulatory in	
	nmental regulations/legislation specific for the substance or mixture
5.1.1. EU-Regulations	
No REACH Annex XVII restrictions	
sophorone diisocyanate (IPDI) is no	ot on the REACH Candidate List
Directive 2012/18/EU (SEVESO III)	
5.1.2. National regulations	
Io additional information available 5.2. Chemical safety assessment	pont
	been carried out for the substance or the mixture by the supplier
-	
SECTION 16: Other informa	
Data sources	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	
	: None.
Full text of H- and EUH-statemen	
Acute Tox. 3 (Inhalation)	nts:
Acute Tox. 3 (Inhalation) Aquatic Chronic 2	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2	Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1	Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2	htts: Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1	Acute toxicity (inhal.), Category 3 Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3	Acute toxicity (inhal.), Category 3 Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H315	hts: Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H315 H317	hts: Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Causes skin irritation.
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H315 H317 H319	Ints: Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation Causes skin irritation. May cause an allergic skin reaction.
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H315 H317 H319 H331	Acute toxicity (inhal.), Category 3 Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Subscript Carget organ toxicity — Single exposure, Category 3, Respiratory tract irritation Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic if inhaled.
Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H315 H317 H319 H331 H334	hts: Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Full text of H- and EUH-statemen Acute Tox. 3 (Inhalation) Aquatic Chronic 2 Eye Irrit. 2 Resp. Sens. 1 Skin Irrit. 2 Skin Sens. 1 STOT SE 3 H315 H317 H319 H331 H334 H335 H411	Acute toxicity (inhal.), Category 3 Acute toxicity (inhal.), Category 3 Hazardous to the aquatic environment — Chronic Hazard, Category 2 Serious eye damage/eye irritation, Category 2 Respiratory sensitisation, Category 1 Skin corrosion/irritation, Category 2 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Skin sensitisation, Category 1 Subscript Carget organ toxicity — Single exposure, Category 3, Respiratory tract irritation Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic if inhaled.

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.