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

Trade name :	Skylt Titanium 2K mixed		
Revision date :	04.04.2022	**Version (Revision) :**	3.1.0 (3.0.0)
Print date :	04-04-2022		

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

1.1 Product identifier
Skylt Titanium 2K mixed

1.2 Relevant identified uses of the substance or mixture and uses advised against
The product is intended for professional use.

Relevant identified uses
Parquet Lacquer

1.3 Details of the supplier of the safety data sheet
Supplier
RIGO Verffabriek BV

Street : Dokweg 40

Postal code/City : 1976 CA IJmuiden

Telephone : +31 (0)255 548448

Information contact : veilig@rigoverffabriek.nl

1.4 Emergency Telephone Number:
+31 (0)255 548448 Call a doctor/physician or call 111 (less urgent 999)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [CLP]
Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

Classification procedure

H317: Obtained on the basis of the calculation method

2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms

Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3
HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP HDI ; CAS No. : 666723-27-9
HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP IPDI ; CAS No. : 1574548-27-8
1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5
REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Hazard statements

H317	May cause an allergic skin reaction.

Precautionary statements

P261	Avoid breathing mist/spray.
P272	Contaminated work clothing should not be allowed out of the workplace.

P280	Wear protective gloves/protective clothing/eye protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P321	Specific treatment (See section 4 First aid measures).
P302+P352	IF ON SKIN: Wash with plenty of water and soap

Special rules for supplemental label elements for certain mixtures

EUH204	Contains isocyanates. May produce an allergic reaction.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; EC No. : 223-242-0; CAS No. : 3779-63-3

Weight fraction : ≥ 2,5 - < 10 %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H332 Skin Sens. 1 ; H317 STOT SE 3 ; H335

HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP HDI ; EC No. : 679-494-0; CAS No. : 666723-27-9

Weight fraction : ≥ 1 - < 2,5 %
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H332 Skin Sens. 1 ; H317 STOT SE 3 ; H335 Aquatic Chronic 3 ; H412

HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP IPDI ; EC No. : 808-295-5; CAS No. : 1574548-27-8

Weight fraction : ≥ 1 - < 2,5 %
Classification 1272/2008 [CLP] : Skin Sens. 1 ; H317 STOT SE 3 ; H335 Aquatic Chronic 3 ; H412

2-DIMETHYLAMINOETHANOL ; EC No. : 203-542-8; CAS No. : 108-01-0

Weight fraction : < 1 %
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Acute Tox. 3 ; H331 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 STOT SE 3 ; H335

1,2-BENZISOTHIAZOL-3(2H)-ONE ; EC No. : 220-120-9; CAS No. : 2634-33-5

Weight fraction : ≥ 0,005 - < 0,05 %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; CAS No. : 55965-84-9

Weight fraction : ≥ 0,00015 - < 0,0015 %
Classification 1272/2008 [CLP] : Acute Tox. 2 ; H310 Acute Tox. 2 ; H330 Acute Tox. 3 ; H301 Skin Corr. 1C ; H314 Eye Dam. 1 ; H318 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Additional information

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

Components according to regulation (EG) Nr. 648/2004

None

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial

respiration. If unconscious but breathing normally, place in recovery position and seek medical advice.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Clean with detergents. Avoid solvent cleaners.

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Notes for the doctor First Aid, decontamination, treatment of symptoms.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO2) Extinguishing powder Water spray jet

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon dioxide (CO2) Nitrogen oxides (NOx) Isocyanates Hydrogen cyanide (hydrocyanic acid) In case of fire and/or explosion do not breathe fumes.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Special protective equipment for firefighters

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Use personal protection equipment. Provide adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Add the decontaminant to the remnants and let stand for several days in a non-sealed container until no further reaction is observed. Once reaction is finished, close container and dispose of.

6.4 Reference to other sections

Disposal: see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide adequate ventilation as well as local exhaustion at critical locations. Respiratory protection is required for not sufficiently ventilated working places and during the spraying processing. Use ventilation to extract vapours from freshly coated articles/objects and surfaces. Precautions against fire and explosion Avoid contact with skin, eyes and clothes. Do not breathe gas/vapour/aerosol. When using do not eat, drink, smoke, sniff. Wash hands before eating, drinking or smoking. Keep work clothes separately. Take off immediately all contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL-/PNEC-values

DNEL/DMEL

Limit value type :	DNEL worker (local) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Exposure route :	Inhalation
Exposure frequency :	Short-term
Limit value :	1 mg/m³
Limit value type :	DNEL worker (local) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Exposure route :	Dermal
Exposure frequency :	Long-term
Remark :	High hazard (no threshold derived) Most sensitive endpoint: sensitization (skin)
Limit value type :	DNEL worker (local) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Exposure route :	Dermal
Exposure frequency :	Short-term
Remark :	High hazard (no threshold derived) Most sensitive endpoint: sensitization (skin)
Limit value type :	DNEL worker (local) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Exposure route :	Inhalation
Exposure frequency :	Long-term
Limit value :	0,5 mg/m³

PNEC

Limit value type :	PNEC (Aquatic, freshwater) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Limit value :	0,127 mg/l
Limit value type :	PNEC (Aquatic, marine water) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Limit value :	0,0127 mg/l
Limit value type :	Soil (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Limit value :	53182 mg/kg
Limit value type :	PNEC (Sediment, freshwater) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Limit value :	266700 mg/kg
Limit value type :	PNEC (Sediment, marine water) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Limit value :	26670 mg/kg
Limit value type :	PNEC (Sewage treatment plant) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)

Limit value : 38,3 mg/l

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Eye glasses with side protection.

Skin protection

Wear suitable working clothes.

Hand protection

Suitable glove type according to DIN EN 374.
Gloves for repeated or prolonged exposure (breakthrough time > 480 min):
Butyl rubber, Thickness > 0,3 mm.
FKM (fluoro rubber) Thickness > 0,7 mm.
Gloves for splash protection and short protection (breakthrough time > 30 min):
Nitrile rubber (NBR), Thickness > 0,25 mm.
Splash protection gloves should be replaced immediately if they come into contact with chemicals.
Due to many conditions (e.g. temperature, wear) the practical use of a chemical protective glove in practice can be much shorter than the breakthrough time determined through testing. Check safety gloves for correct condition before each use.

Respiratory protection

In case of insufficient ventilation in the workplace and during spray-injection molding, nose and mouth protection is required. Wear a respirator conforming to EN140 with Type A/P2 filter or better. People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour : Whitish transpar.

Odour : Poor, ester-like.

Safety characteristics

Physical state :			Liquid	
Melting point/freezing point :			not relevant	
Freezing point :			not relevant	
Initial boiling point and boiling range :			No data available	
Decomposition temperature :			No data available	
Flash point :			not relevant	
Auto-ignition temperature :			No data available	
Lower explosion limit :			No data available	
Upper explosion limit :			No data available	
Vapour pressure :	(50 °C)		No data available	
Density - dependent of color:	(20 °C)		1,03 - 1,05	g/cm^3
Relative density :	(20 °C)		No data available	
Water solubility :	(20 °C)		Geheel wateroplosbaar	
pH :			7 - 8	
log P O/W :			No data available	
Viscosity :	(20 °C)		No data available	
Cinematic viscosity :	(40 °C)		No data available	
Odour threshold :			No data available	
Relative vapour density :	(20 °C)		No data available	
Vapourisation rate :			No data available	
VOC-value :		<	13	g/l VOC

Flammable solids :	Not applicable.
Flammable gases :	Not applicable.
Oxidising liquids :	Not relevant.
Explosive properties :	Not relevant.

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

Exothermic reaction with: Amines. Alcohols Water.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter :	LD50 (SILICON DIOXIDE ; CAS No. : 7631-86-9)
Exposure route :	Oral
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (TETRAMETHYL DECYNE DIOL ; CAS No. : 126-86-3)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 500 mg/kg bw
Parameter :	LD50 (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Exposure route :	Oral
Species :	Rat
Effective dose :	1320 mg/kg

Acute dermal toxicity

Parameter :	LD50 (SILICON DIOXIDE ; CAS No. : 7631-86-9)
Exposure route :	Dermal
Effective dose :	> 5000 mg/kg
Parameter :	LD50 (TETRAMETHYL DECYNE DIOL ; CAS No. : 126-86-3)
Exposure route :	Dermal
Species :	Rat
Effective dose :	> 2000 mg/kg bw
Parameter :	LD50 (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Exposure route :	Dermal
Species :	Guinea pig (Cavia porcellus)
Effective dose :	885 mg/kg

Acute inhalation toxicity

Parameter :	LC50 (TETRAMETHYL DECYNE DIOL ; CAS No. : 126-86-3)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	> 1000 mg/m^3
Parameter :	LD50 (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Exposure route :	Inhalation (vapour)
Species :	Rat
Effective dose :	4,6 mg/l
Exposure time :	4 h

Corrosion

Skin corrosion/irritation

Parameter :	Skin corrosion/irritation (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Species :	Rabbit
Exposure time :	4 h
Result :	Slightly irritant
Method :	OECD 404
Parameter :	Skin corrosion/irritation (HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP IPDI ; CAS No. : 1574548-27-8)
Species :	Rabbit
Result :	Non-irritant
Method :	OECD 404

Serious eye damage/eye irritation

Parameter :	Serious eye damage/eye irritation (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Species :	Rabbit
Result :	Slightly irritant
Method :	OECD 405
Parameter :	Serious eye damage/eye irritation (HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP IPDI ; CAS No. : 1574548-27-8)
Species :	Rabbit
Result :	Non-irritant
Method :	OECD 405

Irritation to respiratory tract

No information available.

Respiratory or skin sensitisation

Skin sensitisation

Parameter :	Skin sensitisation (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Species :	Mouse
Result :	Sensitising.
Method :	OECD 429
Parameter :	Skin sensitisation (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Species :	guinea pig
Result :	Sensitising.
Method :	OECD 406
Parameter :	Skin sensitisation (HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP HDI ; CAS No. : 666723-27-9)
Species :	Mouse
Result :	Sensitising.
Method :	OECD 429
Parameter :	Skin sensitisation (HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP IPDI ; CAS No. : 1574548-27-8)

Species :	Mouse
Result :	Sensitising.
Method :	OECD 429

Repeated dose toxicity (subacute, subchronic, chronic)

Subacute inhalation toxicity

Parameter :	NOAEL(C) (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	3,3 mg/m^3
Exposure time :	90 dagen
Method :	OECD 413
Parameter :	NOAEL(C) (HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP HDI ; CAS No. : 666723-27-9)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	3,3 mg/m^3
Exposure time :	90 dagen
Method :	OECD 413

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

STOT-single exposure

No information available.

STOT-repeated exposure

No information available.

Aspiration hazard

No information available.

11.5 Additional information

Over-exposure, especially when spraying coatings containing isocyanate without the necessary precautions, entails the risk of concentration-dependent irritating effects on eyes, nose throat, and respiratory tract. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible. Hypersensitive persons may suffer from these effects even at low isocyanate concentrations, including concentrations below the occupational exposure limit. Prolonged contact with the skin may cause tanning and irritant effects. Animal tests and other research indicate that skin contact with diisocyanates can play a role in causing isocyanate sensitization and respiratory reaction.

SECTION 12: Ecological information

Do not allow to enter ground-water, surface water or drains, even not in small quantities.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter :	LC50 (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Species :	Leuciscus idus (golden orfe)
Effective dose :	147 mg/l
Exposure time :	96 h
Method :	DIN 38412 / part 15

Acute (short-term) toxicity to crustacea

Parameter :	EC50 (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Species :	Daphnia magna (Big water flea)
Effective dose :	83,6 mg/l
Exposure time :	48 h

Acute (short-term) toxicity to algae and cyanobacteria

Parameter :	ErC50 (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Species :	Scenedesmus subspicatus
Effective dose :	44 mg/l
Exposure time :	72 h
Parameter :	NOEC (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Species :	Scenedesmus subspicatus
Effective dose :	5 mg/l
Exposure time :	72 h

Toxicity to microorganisms

Parameter :	Bacteria toxicity (HEXAMETHYLEEN-1,6-DIISOCYANAAT HOMOPOLYMEER ; CAS No. : 3779-63-3)
Evaluation parameter :	Activated sludge
Effective dose :	3,828 mg/l
Exposure time :	3 h
Method :	OECD 209
Parameter :	EC50 (HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP HDI ; CAS No. : 666723-27-9)
Evaluation parameter :	Activated sludge
Effective dose :	> 10000 mg/l
Method :	OECD 209
Parameter :	Bacteria toxicity (HYDROFIEL ALIFATISCH POLYISOCYANAAT GEBASEERD OP IPDI ; CAS No. : 1574548-27-8)
Evaluation parameter :	Activated sludge
Effective dose :	> 10000 mg/l
Method :	OECD 209

12.2 Persistence and degradability

Biodegradation

Parameter :	Biodegradation (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Evaluation parameter :	Aerobic
Evaluation :	Readily biodegradable (according to OECD criteria).
Method :	OECD 301A

12.3 Bioaccumulative potential

Parameter :	Bioconcentration factor (BCF) (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
	Cyprinus carpio (Common Carp)
Concentration :	< 6,1
	28 dagen
Method :	OECD 305
Parameter :	Partition coefficient n-octanol /water (log P O/W) (2-DIETHYLAMINOETHANOL ; CAS No. : 100-37-8)
Concentration :	0,21
Method :	OECD 107

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Isocyanate reacts with water at the interface forming CO2 and a solid insoluble product with high melting point

(polyurea). This reaction is accelerated by surfactants (e.g. detergents) or by watersoluble solvents. Previous experience shows that polyurea is inert and non-degradable.

12.7 Additional ecotoxicological information

None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Disposal of this product and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

No dangerous good in sense of these transport regulations. Moisture-sensitive. Do not expose to temperatures above 50 °C. Keep away from foodstuffs, acids and alkalis.

SECTION 15: Regulatory information

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

None

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this preparation were not carried out.

15.3 Additional information

EU limit value for this product (cat. A/j): 140 g/l.

SECTION 16: Other information

16.1 Indication of changes

15. Restrictions on use

16.2 Abbreviations and acronyms

ADR = Europese overeenkomst met betrekking tot het vervoer van gevaarlijke goederen over de weg
ATE = Acuut toxiciteitsschatting
BCF = Bioconcentration Factor, bioconcentratiefactor
BOD = Biochemical Oxygen Demand/Biological Oxygen Demand

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
CLP = Indeling, etikettering en verpakking van stoffen en mengsels [Verordening (EG) No. 1272/2008]
CMR = Carcinogenic, Mutagenic or toxic to Reproduction (substances)
COD = Chemical Oxygen Demand
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level, de afgeleide dosis zonder effect
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC50 = Median effective concentration
ED50 = Effective Dose
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
IATA = International Air Transport Association, internationaal Lucht Transport Vereniging
IMDG = International Maritime Dangerous Goods Code, internationaal Maritiem Transport voor Gevaarlijke goederen
ISO = International Organization for Standardization
IUCLID = International Uniform Chemical Information Database
Kow = Octanol/Water Partition Coefficient
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OECD = Organization for Economic Cooperation and Development
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulatief en Toxisch
PNEC = Voorspelde geen effect concentratie
RAR = Risk Assessment Report (EU)
REACH = Registration, Evaluation and Authorization of Chemicals
REL = Recommended Exposure Limit
SI = International System of Units
STEL = Short-Term Exposure Limit
SVOC = Semi-Volatile Organic Compound
TLV = Threshold Limit Value
TWA = Time-Weighted Average
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioacccumulative, zeer persistent en zeer bioaccummulatief
WEEL = Workplace Environmental Exposure Limit

16.3 Key literature references and sources for data

None

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

The classification of mixtures and applied evaluation method in accordance with regulation (EC) Nr. 1272/2008 [CLP] has been appointed in section 2.1

16.5 Relevant H- and EUH-phrases (Number and full text)

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.

H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.