

Safety Data Sheet

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

Trade name : 4TECX Houtsealer
4039000208
Revision date : 15.02.2023
Version (Revision) : 11.0.0 (10.0.0)
Print date : 18-09-2023



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

1.1 Product identifier

4TECX Houtsealer
4039000208

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

Relevant identified uses

Industrial wood coating

1.3 Details of the supplier of the safety data sheet

Supplier:

Zevij-Necomij B.V.

Street : Postbus 447

Postal code/City : 4900 AK Oosterhout

Telephone : 0162-426917

Telefax : 0162-432553

Information contact : msds@globalpaint.com

1.4 Emergency telephone number

Nationaal Vergiftigingen Informatie Centrum: 088-7558000; Only for the purpose of informing medical personnel in cases of acute intoxications

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

Classification procedure

Calculation method.

2.2 Label elements

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

Hazard pictograms



Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Warning

Hazard components for labelling

ADIPIC ACID DIHYDRAZIDE ; CAS No. : 1071-93-8

4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE ; CAS No. : 64359-81-5

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) 0,001 % ; CAS No. : 55965-84-9

2-METHYLISOTHIAZOL-3(2H)-ONE ; CAS No. : 2682-20-4

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Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.
P103 Read label before use.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash hands thoroughly after handling.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with national/international regulations.

Special rules for supplemental label elements for certain mixtures

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Additional information

Treated with a biocide. Contains: DCOIT, BIT, MIT, C(M)IT/MIT (3:1), Bronopol and Copper dihydroxide. Avoids contamination by fungi and bacteria. The soil under and around the object to be treated should be covered with plastic while applying this product.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

ADIPIC ACID DIHYDRAZIDE ; EC No. : 213-999-5; CAS No. : 1071-93-8

Weight fraction : $\geq 0,1 - < 0,3$ %
Classification 1272/2008 [CLP] : Skin Sens. 1 ; H317

4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE ; EC No. : 264-843-8; CAS No. : 64359-81-5

Weight fraction : $\geq 0,025 - < 0,25$ %
Classification 1272/2008 [CLP] : Acute Tox. 2 ; H330 Skin Corr. 1C ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410
Specific Conc. Limits : Skin Corr. 1C ; H314: C ≥ 5 % • Eye Dam. 1 ; H318: C ≥ 3 % • Eye Irrit. 2 ; H319: C $\geq 0,025$ % • Skin Irrit. 2 ; H315: C $\geq 0,025$ % • Skin Sens. 1A ; H317: C $\geq 0,0015$ % • (M=100)

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

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

BRONOPOLO (INN) ; EC No. : 200-143-0; CAS No. : 52-51-7

Weight fraction : $< 0,025$ %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Skin Irrit. 2 ; H315 STOT SE 3 ; H335 Aquatic Acute 1 ; H400 Aquatic Chronic 2 ; H411
Specific Conc. Limits : (M Acute=10)

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 : $\geq 0,00015 - < 0,0015$ %
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 EUH071
Specific Conc. Limits : Eye Dam. 1 ; H318: C $\geq 0,6$ % • Skin Corr. 1C ; H314: C $\geq 0,6$ % • Eye Irrit. 2 ;

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H319: C ≥ 0,06 % • Skin Irrit. 2 ; H315: C ≥ 0,06 % • Skin Sens. 1A ; H317: C ≥ 0,0015 % • (M=100)
2-METHYLISOTHIAZOL-3(2H)-ONE ; EC No. : 220-239-6; CAS No. : 2682-20-4
Weight fraction : ≥ 0,00015 - < 0,0015 %
Classification 1272/2008 [CLP] : Acute Tox. 2 ; H330 Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Skin Corr. 1B ; H314 Eye Dam. 1 ; H318 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410 EUH071
Specific Conc. Limits : Skin Sens. 1A ; H317: C ≥ 0,0015 % • (M Chronic=1) • (M Acute=10)

Additional information

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Never give anything by mouth to an unconscious person or a person with cramps. If unconscious but breathing normally, place in recovery position and seek medical advice.

Following inhalation

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

In case of skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. Do not wash with: Solvents/Thinner

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. Remove contact lenses, if present and easy to do. Continue rinsing.

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

No information available.

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 mist

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

Hazardous combustion products

Carbon monoxide Carbon dioxide (CO₂) Nitrogen oxides (NO_x)

5.3 Advice 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.

Special protective equipment for firefighters

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Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Do not inhale the vapour. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. 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

Prevent spread over a wide area (e.g. by containment or oil barriers). Clear spills immediately. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

None

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothes. Do not breathe gas/vapour/aerosol. When using do not eat, drink, smoke. See chapter 8 of the safety data sheet (Personal protection equipment) Never use pressure to empty container. Keep/Store only in original container. Comply with the health and safety at work laws. Do not allow to enter ground-water, surface water or drains, even not in small quantities.

7.2 Conditions for safe storage, including any incompatibilities

Packaging materials

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

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place. Store between +5 and 35 °C in a dry, well ventilated place away from sources of heat and direct sunlight. When using do not smoke. Only allow access to authorised staff. Prevent leaks and prevent soil / water pollution caused by leaks.

7.3 Specific end use(s)

Recommendation

None

Industrial sector specific solutions

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Appropriate engineering controls

Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

Personal protection equipment

Eye/face protection

Suitable eye protection

Use tightly fitting safety glasses.

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Skin protection

Hand protection

Use protective gloves.

Suitable material : NBR (Nitrile rubber)

Required properties : EN ISO 374

Breakthrough time : 480 min

Thickness of the glove material : $\pm 0.1 / 0.4$ mm

Additional hand protection measures : Check protective gloves before each use concerning their normal condition. Use skin cleaning and skin care products after using the gloves.

Body protection

Body protection: not required.

Respiratory protection

By spraying: air fed respirator. By other operations than spraying: in well ventilated areas, airfed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Safety characteristics

Physical state :		Liquid
Colour :		white
Odour :		Noticeable.
Odour threshold :		No data available
pH :		7,5 - 8,5
Melting point/freezing point :		No data available
Initial boiling point and boiling range :	(1013 hPa)	No data available
Flash point :	>	100 °C
Vapourisation rate :		No data available
Flammability :		No data available
Lower explosion limit :		No data available
Upper explosion limit :		No data available
Vapour pressure :	(20 °C)	No data available
Relative vapour density :	(20 °C)	No data available
Density :	(20 °C)	1,15 - 1,3 g/cm ³
Water solubility :	(20 °C)	100 Weight-%
log P O/W :		No data available
Auto-ignition temperature :		No data available
Decomposition temperature :		No data available
Viscosity :	(20 °C) approx.	5000 mPa*s
Explosive properties :		No data available
Oxidising properties :		No data available

The product has not been tested on the properties that are listed on the safety data sheet as "No data available".

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

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10.2 Chemical stability

Stable under recommended storage and handling conditions(See section 7).

10.3 Possibility of hazardous reactions

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

10.4 Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Carbon dioxide. Carbon monoxide Nitrogen oxides (NOx).

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Acute oral toxicity

Parameter : LD50 (4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE ; CAS No. : 64359-81-5)

Exposure route : Oral

Species : Rat

Effective dose : 0,33 mg/l

Exposure time : 4 h

Parameter : LD50 (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)

Exposure route : Oral

Species : Rat

Effective dose : 675,3 mg/kg

Parameter : LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)

Exposure route : Oral

Species : Rat

Effective dose : 254 mg/kg

Parameter : LD50 (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)

Exposure route : Oral

Species : Rat

Effective dose : 0,33 mg/l

Exposure time : 4 h

Acute dermal toxicity

Parameter : LD50 (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)

Exposure route : Dermal

Species : Rabbit

Effective dose : > 5000 mg/kg

Parameter : LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)

Exposure route : Dermal

Species : Rat

Effective dose : approx. 1600 mg/kg

Acute inhalation toxicity

Parameter : LD50 (BRONOPOL (INN) ; CAS No. : 52-51-7)

Exposure route : Inhalation

Species : Rat

Effective dose : > 588 mg/kg

11.2 Information on other hazards

No information available.

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SECTION 12: Ecological information

Avoid release to the environment. Refer to special instructions/safety data sheet.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE ; CAS No. : 64359-81-5)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 0,19 mg/l
Exposure time : 96 h
Parameter : LC50 (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 1,9 mg/l
Exposure time : 96 h
Parameter : LC50 (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)
Species : Oncorhynchus mykiss (Rainbow trout)
Effective dose : 0,19 mg/l
Exposure time : 96 h

Acute (short-term) toxicity to crustacea

Parameter : EC50 (4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE ; CAS No. : 64359-81-5)
Species : Daphnia magna (Big water flea)
Effective dose : 0,16 mg/l
Exposure time : 48 h
Parameter : EC50 (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)
Species : Daphnia magna (Big water flea)
Effective dose : 0,16 mg/l
Exposure time : 48 h

Acute (short-term) toxicity to algae and cyanobacteria

Parameter : EC50 (4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE ; CAS No. : 64359-81-5)
Species : Pseudokirchneriella subcapitata
Effective dose : 0,027 mg/l
Exposure time : 72 h
Parameter : ErC50 (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Species : Pseudokirchneriella subcapitata
Effective dose : 0,8 mg/l
Exposure time : 72 h
Method : OECD 201
Parameter : ErC50 (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Species : Skeletonema costatum
Effective dose : 0,15 mg/l
Exposure time : 72 h
Parameter : NOEC (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Species : Pseudokirchneriella subcapitata
Effective dose : 0,21 mg/l
Exposure time : 72 h
Method : OECD 201
Parameter : NOEC (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Species : Skeletonema costatum
Effective dose : 0,36 mg/l
Exposure time : 72 h
Method : OECD 201

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Parameter : EC50 (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)
Species : Pseudokirchneriella subcapitata
Effective dose : 0,027 mg/l
Exposure time : 72 h

12.2 Persistence and degradability

Biodegradation

Parameter : Biodegradation (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Inoculum : Biodegradation
Degradation rate : 24 %
Test duration : 28 D
Method : OECD 301B

12.3 Bioaccumulative potential

Parameter : Partition coefficient n-octanol/water (log value) (1,2-BENZISOTHIAZOL-3(2H)-ONE ; CAS No. : 2634-33-5)
Partition coefficient n-octanol/water (log value)
Value : 1,19

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Avoid release to the environment. Refer to special instructions/safety data sheet. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Uncleaned packaging must be disposed of in the same manner as the medium.

SECTION 14: Transport information

14.1 UN number

UN 3082

14.2 UN proper shipping name

Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE · REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1))

Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE · REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1))

Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,5-DICHLORO-2-OCTYL-2H-ISOTHIAZOL-3-ONE · REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1))

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 9

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Classification code : M6
Hazard identification number (Kemler No.) : 90
Tunnel restriction code : -
Special provisions : LQ 5 I · E 1 · ADR : - (SP 375 <= 5 l/kg)
Hazard label(s) : 9 / N
Sea transport (IMDG)
Class(es) : 9
EmS-No. : F-A / S-F
Special provisions : LQ 5 I · E 1 · IMDG : - (SP 2.10.2.7 <= 5 l/kg)
Hazard label(s) : 9 / N
Air transport (ICAO-TI / IATA-DGR)
Class(es) : 9
Special provisions : E 1 · IATA : - (SP A197 <= 5 l/kg)
Hazard label(s) : 9 / N

14.4 Packing group

III

14.5 Environmental hazards

Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

EU legislation

EU limit value for this product (cat. A/d): 130 g/l (2010). This product contains less than 100 g/l VOC.

Authorisations and/or restrictions on use

Restrictions on use

Regulation (EC) No. 1907/2006 (REACH), Annex XVII (restrictions)

Use restriction according to REACH annex XVII, no. : 3, 75

National regulations

Geen/zeer weinig oplosmiddel; voldoet voor professioneel gebruik binnen aan arbo

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

02. Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR) · 15. Restrictions on use

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM = American Society of Testing and Materials (US)

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CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substance
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EWC = European Waste Catalogue
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
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
MRL = Maximum Residue Limit
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulative or Toxic
PNEC = Predicted Non Effect Concentration
STEL = Short-Term Exposure Limit
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative

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]

No information available.

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H311	Toxic 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.
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.
EUH071	Corrosive to the respiratory tract.

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

Safety Data Sheet

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

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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.
