Safety Data Sheet

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

Trade name :	THERMORY Thermoholz-Öl Hell		
Article number :	4301460-00		
Revision date :	14.11.2019	**Version (Revision) :**	5.0.0 (4.0.1)
Print date :	19.03.2020		

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

1.1 Product identifier

THERMORY Thermoholz-Öl Hell

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

Relevant identified uses

Coatings

Uses advised against

No information available.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

SWERO KG

Street : Roggenzell 14/1

Postal code/city : 88239 Wangen im Allgäu

Telephone : +49 (0) 7528/975388

Telefax : +49 (0) 7528/975389

Information contact E-Mail: info@swero.de

1.4 Emergency telephone number

+49 / (0)700 24112112 (KOR)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful 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 statements

H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P273	Avoid release to the environment.
P501	Dispose of contents/container to appropriate disposal.

Special rules for supplemental label elements for certain mixtures

EUH208	Contains 3-IODO-2-PROPYNYL BUTYLCARBAMATE ; 1,2-benzisothiazol-3(2H)-one ; REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; 2-methyl-2H-isothiazol-3-one.May produce an allergic reaction.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

3-IODO-2-PROPYNYL BUTYLCARBAMATE ; REACH No. : 01-2120762115-60 ; EC No. : 259-627-5; CAS No. : 55406-53-6 (M Acute=10) (M Chronic=1)

Weight fraction : ≥ 0,25 - < 1 %

Classification 1272/2008 [CLP] : Acute Tox. 3 ; H331 STOT RE 1 ; H372 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Sens. 1 ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

1,2-benzisothiazol-3(2H)-one ; REACH No. : 01-2120761540-60 ; EC No. : 220-120-9; CAS No. : 2634-33-5

Weight fraction : ≥ 0,005 - < 0,05 %

Classification 1272/2008 [CLP] : Acute Tox. 2 ; H330 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 Skin Irrit. 2 ; H315 Skin Sens. 1A ; H317 Aquatic Acute 1 ; H400 Aquatic Chronic 2 ; H411

REACTION MASS OF: 5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE AND 2-METHYL-2H -ISOTHIAZOL-3-ONE (3:1) ; REACH No. : Biocide ; CAS No. : 55965-84-9 (M=100)

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

2-methyl-2H-isothiazol-3-one ; REACH No. : 01-2120764690-50 ; EC No. : 220-239-6; CAS No. : 2682-20-4 (M Acute=10) (M Chronic=1)

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

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change contaminated, saturated clothing. 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. Provide fresh air.

In case of skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin reactions, consult a physician.

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water.

Self-protection of the first aider

First aider: Pay attention to self-protection!

Notes for the doctor

Special treatment

Treat symptomatically.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

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

Unsuitable extinguishing media

None

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

In case of fire toxic gases may be formed. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Special protective equipment for firefighters

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

5.4 Additional information

None

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Take the precautions customary when handling chemicals. Use personal protection equipment. See protective measures under point 7 and 8.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

For cleaning up

Take up mechanically. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

6.4 Reference to other sections

None

6.5 Additional information

No data available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes.

Protective measures

Use only in well-ventilated areas. Do not breathe gas/fumes/vapour/spray.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Hints on joint storage

Storage class (TRGS 510) : 12

Further information on storage conditions

Protect containers against damage.

Protect against : Frost

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6

Limit value type (country of origin) : TRGS 900 (D)
- Limit value : 0,005 ppm / 0,058 mg/m³
- Peak limitation : 2(I)
- Remark : Sh, Y
- Version : 29.03.2019

Limit value type (country of origin) : MAK (EC)
- Limit value : 0,01 ml/m³ / 0,12 mg/m³
- Remark : S, SSc
- Version :

Limit value type (country of origin) : Switzerland SUVA Limit Values (EC)
- Limit value : 0,02 ml/m³ / 0,24 mg/m³
- Remark : KZG
- Version :

Biological limit values

No data available

DNEL-/PNEC-values

DNEL/DMEL

No data available

PNEC

No data available

8.2 Exposure controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. EN ISO 374

Suitable material : Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 480 minutes. Check leak tightness/impermeability prior to use. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Thickness of the glove material : 0,4 mm

Respiratory protection

Usually no personal respirative protection necessary.

General information

Avoid contact with skin, eyes and clothes. Remove contaminated, saturated clothing. Wash hands before breaks and after work. Keep away from food, drink and animal feeding stuffs.

8.3 Additional information

No data available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Liquid

Colour : Different according to colour

Odour

light

Safety characteristics

Solidifying point :	(1 bar / 1 Pa)		not determined	Brookfield
Melting point/freezing point :			not determined	
Freezing point :			not determined	
Initial boiling point and boiling range :			not determined	
Decomposition temperature :			not determined	
Flash point :			not applicable	
Auto-ignition temperature :			not determined	
Lower explosion limit :			not determined	
Upper explosion limit :			not determined	
Vapour pressure :	(50 °C)		not determined	
Density :	(20 °C)	approx.	1,02	g/cm³
Solvent separation test :	(20 °C)		not determined	
Fat solubility :	(20 °C)		Not determined.	
Solubility in water			soluble	
pH :	(20 °C)	approx.	9	
log P O/W :			not determined	
Viscosity :	(20 °C)		not determined	
Solid content :		approx.	15	Wt %
Odour threshold :			not determined	
Relative vapour density :	(20 °C)		not determined	
Evaporation rate :			not determined	
Vapourisation rate :			not determined	
VOC-value :		<	25	g/l
Flammable solids :	Not determined.			
Flammable gases :	Not determined.			
Oxidising liquids :	Not determined.			
Explosive properties :	Not determined.			
Corrosive to metals :	Not determined.			

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known.

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

10.7 Additional information
No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity

Parameter :	LD50 (3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6)
Exposure route :	Oral
Species :	Rat
Effective dose :	> 300 - 500 mg/kg
Method :	OECD 423

The product has not been tested.

Acute dermal toxicity

Parameter :	LD50 (3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6)
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 mg/kg

The product has not been tested.

Acute inhalation toxicity

Parameter :	LC50 (3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	0,67 mg/l
Exposure time :	4 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)
Exposure route :	Inhalation
Species :	Rat
Effective dose :	0,33 mg/l
Exposure time :	4 h

The product has not been tested.

Specific effects (Longterm animal experiment)
The product has not been tested.

Corrosion
Skin corrosion/irritation
The product has not been tested.

Serious eye damage/eye irritation
The product has not been tested.

Irritation to respiratory tract
The product has not been tested.

Respiratory or skin sensitisation
Skin sensitisation
May cause an allergic skin reaction.

Sensitisation to the respiratory tract
The product has not been tested.

Repeated dose toxicity (subacute, subchronic, chronic)
The product has not been tested.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity
The product has not been tested.
Germ cell mutagenicity
The product has not been tested.
Reproductive toxicity
The product has not been tested.

STOT-single exposure
The product has not been tested.

STOT-repeated exposure
The product has not been tested.

Aspiration hazard
The product has not been tested.

11.2 Toxicokinetics, metabolism and distribution
The product has not been tested.

11.3 Symptoms related to the physical, chemical and toxicological characteristics
No data available

11.4 Other adverse effects
No data available

11.5 Additional information
No data available

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter :	LC50 (3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6)
Species :	Oncorhynchus mykiss (Rainbow trout)
Effective dose :	0,067 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)
Evaluation parameter :	Acute (short-term) fish toxicity
Effective dose :	0,22 mg/l
Exposure time :	96 h

The product has not been tested.

Chronic (long-term) fish toxicity

Parameter :	NOEC (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 :	0,098 mg/l
Exposure time :	28 D
Method :	OECD 210

The product has not been tested.

Acute (short-term) toxicity to crustacea

Parameter :	EC50 (3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6)
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 : 0,1 mg/l
Exposure time : 48 h

The product has not been tested.

Chronic (long-term) toxicity to crustacea

Parameter : NOEC (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 : 0,004 mg/l
Exposure time : 21 D
Method : OECD 211

The product has not been tested.

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (3-IODO-2-PROPYNYL BUTYLCARBAMATE ; CAS No. : 55406-53-6)
Species : Scenedesmus subspicatus
Effective dose : 0,022 mg/l
Exposure time : 72 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 : Pseudokirchneriella subcapitata
Evaluation parameter : Inhibition of growth rate
Effective dose : 0,0048 mg/l
Exposure time : 72 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 : Skeletonema costatum
Effective dose : 0,0052 mg/l
Exposure time : 48 h

The product has not been tested.

Chronic (long-term) algae toxicity

Parameter : NOEC (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 : 0,0012 mg/l
Exposure time : 72 h
Method : OECD 201
Parameter : NOEC (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 : Skeletonema costatum
Effective dose : 0,00064 mg/l
Exposure time : 48 h

The product has not been tested.

Toxicity to microorganisms

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)
Effective dose : 7,92 mg/l
Exposure time : 3 h
Method : OECD 209

The product has not been tested.

Terrestrial toxicity

The product has not been tested.

Toxicity to terrestrial plants

The product has not been tested.

Effects in sewage plants

The product has not been tested.

Parameter :	EC20 (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Inoculum :	Activated sludge
Effective dose :	3,3 mg/l
Exposure time :	3 h
Method :	OECD 209
Parameter :	EC50 (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Inoculum :	Activated sludge
Effective dose :	13 mg/l
Exposure time :	3 h
Parameter :	EC20 (2-methyl-2H-isothiazol-3-one ; CAS No. : 2682-20-4)
Inoculum :	Activated sludge
Effective dose :	2,8 mg/l
Exposure time :	3 h
Parameter :	EC50 (2-methyl-2H-isothiazol-3-one ; CAS No. : 2682-20-4)
Inoculum :	Activated sludge
Effective dose :	34,6 mg/l
Exposure time :	3 h

12.2 Persistence and degradability

Abiotic degradation

The product has not been tested.

Abiotic degradation (Water)

Hydrolysis

Parameter :	Half-life time in soil (2-methyl-2H-isothiazol-3-one ; CAS No. : 2682-20-4)
Degradation rate :	< 0,08 D
Method :	OECD 307

Physicochemical elimination

Parameter :	Half-life time (2-methyl-2H-isothiazol-3-one ; CAS No. : 2682-20-4)
Degradation rate :	1,28 - 2,1 D
Method :	OECD 308
Parameter :	Half-life time (2-methyl-2H-isothiazol-3-one ; CAS No. : 2682-20-4)
Degradation rate :	4,1 D
Method :	OECD 309

Biodegradation

Parameter :	Biodegradation (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Degradation rate :	approx. 90 %
Method :	OECD 302B
Parameter :	Biodegradation (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Degradation rate :	> 70 %
Method :	OECD 303A

The product has not been tested.

12.3 Bioaccumulative potential

Parameter :	Bioconcentration factor (BCF) (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-5)
Concentration :	6,95
Method :	OECD 305
Parameter :	Bioconcentration factor (BCF) (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)
Concentration :	3,6
Parameter :	Bioconcentration factor (BCF) (2-methyl-2H-isothiazol-3-one ; CAS No. : 2682-20-4)
Concentration :	3,16
Parameter :	Partition coefficient: n-octanol/water (1,2-benzisothiazol-3(2H)-one ; CAS No. : 2634-33-

5)

Concentration : 0,7

Method : OECD 117

Parameter : Partition coefficient: n-octanol/water (2-methyl-2H-isothiazol-3-one ; CAS No. : 2682-20-4)

Concentration : <= 0,32

Method : OECD 117

The product has not been tested.

12.4 Mobility in soil

The product has not been tested.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Other adverse effects

No data available

12.7 Additional ecotoxicological information

No data available

Additional information

Discharge into the environment must be avoided.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste. Consult the appropriate local waste disposal expert about waste disposal.

Product/Packaging disposal

Waste treatment options

Appropriate disposal / Product

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Appropriate disposal / Package

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

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

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

None

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

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

National regulations

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : 0,1 - 1 %

Sum organic substances class III : 0,1 - 1 %

Water hazard class (WGK)

Class : 2 (Obviously hazardous to water) Classification according to AwSV

15.2 Chemical safety assessment

No information available.

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 · 02. Special rules for supplemental label elements for certain mixtures · 03. Hazardous ingredients

16.2 Abbreviations and acronyms

REACH - Registration, Evaluation, Authorisation of Chemicals
GHS - Globally Hamonised System of Classification and Labeling
CLP - Classification, Labeling and Packaging of Substances and Mixtures
CAS - Chemical Abstract Service
TWA - Time Weighted Average
DNEL/DMEL - Derived No Effect Level
PNEC - Predicted No Effect Concentration
STP - Sewage Treatment Plant
TRGS - Technical Rules for Hazardous Substances (German Regulations)
STEL - Short-term Exposure Limit
TLV - threshold limit value
AGW - Occupational threshold limit value
RCP - Reciprocal Calculation Procedure
ATE - Acute Toxicity Estimate
MAK Treshold limit values Germany
LD50 - Lethal Dosie, 50%
LC50 - Lethal concentration, 50%
OECD - Organization for Economic Cooperation and Development
NOAEL - No Observed Adverse Effect Level
EC50 - half maximal effective concentration
NOEC - No Observed Effect Concentration
PBT - Persistent, Bioaccumulative, Toxic
vPvB - very Persistent, very Bioaccumulative
ADR/RID - European Agreement concerning the International Carriage of Dangerous Goods by Road (Accord européen relatif au transport international des marchandises Dangereuses par Route)/Regulations Concerning the International Transport of Dangerous Goods by Rail (Règlement concernant le transport International ferroviaire de marchandises Dangereuses)
IMDG - International Maritime Dangerous Goods Code
ICAO - International Civil Aviation Association
IATA - International Air Transport Association
VwVws - German administrative regulation on the classification of substances hazardous to water into water hazard classes
AwSV - Ordinance on facilities for handling substances that are hazardous to water

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.
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.
H372	Causes damage to organs through prolonged or repeated exposure.
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.

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.