

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 22.02.2018

Liquid Metal / Hardener

Product code: 365/2

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Liquid Metal 365/2

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Adhesives, sealants

Professional use. Private households (= general public). Keep out of the reach of children.

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	EURO-LOCK Vertriebs-GmbH	
Street:	Nordweststraße 3	
Place:	D-59387 Ascheberg	
Telephone:	+49 (0) 2593 95887-0	Fax: +49 (0) 2593 95887-29
e-mail (Contact person):	info@euro-lock.de	
Responsible Department:	+49 (0) 2593 95887-0	
	info@euro-lock.de	

1.4. Emergency telephone number:

+49 (0) 2593 95887-0 Monday - Thursday 8.00 - 17.00 , Friday 8.00 - 13.00

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

2.2. Label elements**Regulation (EC) No. 1272/2008****Hazard components for labelling**

Phenol, styrenated

Bicyclo[2.2.1]heptanebis(methylamine)

2,4,6-tris(dimethylaminomethyl)phenol

bis[(dimethylamino)methyl]phenol

Signal word: Danger**Pictograms:**

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Hazard statements

- H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.
P405 Store locked up.
P501 Dispose of contents/container to local/regional/national/international regulations.

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
61788-44-1	Phenol, styrenated			20 - < 25 %
	262-975-0		01-2119980970-27	
	Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H315 H317 H411			
56602-77-8	Bicyclo[2.2.1]heptanebis(methylamine)			5 - < 10 %
	260-280-7			
	Acute Tox. 4, Skin Corr. 1A, Aquatic Chronic 3; H302 H314 H412			
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol			1 - < 5 %
	202-013-9		01-2119560597-27	
	Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1B; H314 H318 H317			
71074-89-0	bis[(dimethylamino)methyl]phenol			1 - < 5 %
	275-162-0			
	Skin Corr. 1C; H314			

Full text of H and EUH statements: see section 16.

Further Information

Product does not contain listed SVHC substances > 0,1 % according to Regulation (EC) No. 1907/2006 Article 59 (REACH).

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

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sheet if possible).

After inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of respiratory tract irritation, consult a physician. In the case of lung irritation: Primary treatment using corticoide spray, eg. Auxiloson spray, Pulmicort-dosage-spray. (Auxiloson and Pulmicort are registered trademarks).

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, consult a physician.

After contact with eyes

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

After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Observe risk of aspiration if vomiting occurs. Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

4.2. Most important symptoms and effects, both acute and delayed

If swallowed danger of perforation of the esophagus and the stomach (strong corrosive effects).

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Sand. Foam. Carbon dioxide (CO₂). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

Unsuitable extinguishing media

High power water jet

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO₂) Nitrogen oxides (NO_x) Gas/vapours, toxic.

5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment (refer to section 8).
Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

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).
Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
Treat the recovered material as prescribed in the section on waste disposal.
Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

No information available.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Wear suitable protective clothing. (See section 8.)
 Conditions to avoid: aerosol or mist formation
 Avoid contact with skin, eyes and clothes.

Advice on protection against fire and explosion

Usual measures for fire prevention.

Further information on handling

Advices on general occupational hygiene: See section 8.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

Advice on storage compatibility

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Organic peroxides. Self-reactive substances and mixtures. Radioactive substances. Infectious substances.

Further information on storage conditions

Recommended storage temperature: 20°C
 Protect against: Light. UV-radiation/sunlight. heat. moisture.

7.3. Specific end use(s)

refer to chapter 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
61788-44-1	Phenol, styrenated			
	Worker DNEL, long-term	inhalation	systemic	11.02 mg/m ³
	Worker DNEL, long-term	dermal	systemic	6.25 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	2.717 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	3.125 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	1.562 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
Environmental compartment		
61788-44-1	Phenol, styrenated	
Freshwater		0.001 mg/l
Marine water		0.0001 mg/l
Freshwater sediment		65778.168 mg/kg
Marine sediment		65778.168 mg/kg
Micro-organisms in sewage treatment plants (STP)		0.17 mg/l
Soil		31524.731 mg/kg

8.2. Exposure controls**Appropriate engineering controls**

Provide adequate ventilation. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures

Always close containers tightly after the removal of product. When using do not eat, drink or smoke. Wash hands before breaks and after work. Remove contaminated clothing immediately and dispose off safely. Wash contaminated clothing prior to re-use. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

Eye/face protection

Wear eye/face protection. DIN EN 166

Hand protection

Wear suitable gloves.

Suitable material:

FKM (fluororubber). - Thickness of glove material: 0,4 mm

Breakthrough time \geq 8 h

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time \geq 8 h

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-exceeding exposure limit values

-insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: Combination filtering device (EN 14387) Type A-P2

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus

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must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state: liquid
Colour: white
Odour: Amine

Test method

pH-Value: No information available.

Changes in the physical state

Melting point: No information available.

Initial boiling point and boiling range: 280 °C

Sublimation point: No information available.

Softening point: No information available.

Pour point: No information available.

Flash point: 170 °C DIN 53213

Sustaining combustion: No data available

Flammability

Solid: No information available.

Gas: No information available.

Explosive properties

none

Lower explosion limits: No information available.

Upper explosion limits: No information available.

Ignition temperature: No information available.

Auto-ignition temperature

Solid: No information available.

Gas: No information available.

Decomposition temperature: No information available.

Oxidizing properties

none

Vapour pressure:
(at 20 °C) No information available.Vapour pressure:
(at 50 °C) No information available.Density (at 20 °C): ~ 1,3 g/cm³ ISO 2811

Bulk density: No information available.

Water solubility: No information available.

Solubility in other solvents

No information available.

Partition coefficient: No information available.

Viscosity / dynamic:
(at 20 °C) high viscosity ISO 3219

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Viscosity / kinematic:	No information available.
Flow time:	No information available.
Vapour density:	No information available.
Evaporation rate:	No information available.
Solvent separation test:	No information available.
Solvent content:	< 0,5 %

9.2. Other information

Solid content:	No information available.
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

10.6. Hazardous decomposition productsCan be released in case of fire: Carbon monoxide Carbon dioxide (CO₂)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicocinetics, metabolism and distribution**

No information available.

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
61788-44-1	Phenol, styrenated				
	oral	LD50 >2500 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
56602-77-8	Bicyclo[2.2.1]heptanebis(methylamine)				
	oral	LD50 961 mg/kg	Rat.	ECHA Dossier	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol				
	oral	LD50 [21699 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 [>971] mg/kg	Rabbit	ECHA Dossier	

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Irritation and corrosivity

Causes severe skin burns and eye damage.

Sensitising effects

May cause an allergic skin reaction. (Phenol, styrenated; 2,4,6-tris(dimethylaminomethyl)phenol)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

2,4,6-tris(dimethylaminomethyl)phenol:

In vitro mutagenicity/genotoxicity : Method : OECD 471 (Ames test). ; Result / evaluation : negative. ; Reproductive toxicity: Method: OECD 422. ; Species: Rat. ; Exposure duration: 54 d.; Result: NOAEL 15 mg/kg bw/day.

Phenol, styrenated:

In vitro mutagenicity/genotoxicity: Method: OECD 471 (Ames test). Result / evaluation: negative. ; In vivo mutagenicity/genotoxicity: Method: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test). Result / evaluation: negative. Reproductive toxicity: Method: OECD 422. Species: Rat. Exposure duration: 28d. Result / evaluation: NOAEL= 97 mg/kg bw/day Literature information: ECHA Dossier

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

2,4,6-tris(dimethylaminomethyl)phenol:

Subchronic oral toxicity: Method: OECD 422. ; Species: Rat. ; Exposure duration: 54 d.; Result: NOAEL 15 mg/kg bw/day.

Phenol, styrenated:

Subacute oral toxicity: Method: OECD 422. Species: Rat. Exposure duration: 28d. Result / evaluation: NOAEL= 97 mg/kg bw/day Literature information: ECHA Dossier

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
61788-44-1	Phenol, styrenated					
	Acute fish toxicity	LC50 1,77 mg/l	96 h	Danio rerio	ECHA Dossier	
	Acute algae toxicity	ErC50 1,35 mg/l	72 h	Desmodesmus subspicatus.	ECHA Dossier	
56602-77-8	Bicyclo[2.2.1]heptanebis(methylamine)					
	Acute fish toxicity	LC50 >=133 mg/l	96 h	Oryzias latipes	ECHA Dossier	
	Acute algae toxicity	ErC50 35 mg/l	72 h	Pseudokirchneriella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 54 mg/l	48 h	Daphnia magna	ECHA Dossier	
	Algae toxicity	NOEC 10 mg/l	3 d	Pseudokirchneriella subcapitata	ECHA Dossier	
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol					
	Acute algae toxicity	ErC50 (84) mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	

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12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name	Method	Value	d	Source
61788-44-1	Phenol, styrenated	OECD Guideline 310	4%	28	ECHA Dossier
	Not easily bio-degradable (according to OECD-criteria).				
56602-77-8	Bicyclo[2.2.1]heptanebis(methylamine)	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	0%	14	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)				
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	OECD 301D/ EEC 92/69/V, C.4-E	4%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)				

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
61788-44-1	Phenol, styrenated	3,67
90-72-2	2,4,6-tris(dimethylaminomethyl)phenol	>=0,219

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. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of used product

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

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150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

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

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: UN 2735
14.2. UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(Bicyclo[2.2.1]heptanebis(methylamine))
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Classification code: C7
Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E0
Transport category: 1
Hazard No: 88
Tunnel restriction code: E

Inland waterways transport (ADN)

14.1. UN number: UN 2735
14.2. UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(Bicyclo[2.2.1]heptanebis(methylamine))
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Classification code: C7
Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E0

Marine transport (IMDG)

14.1. UN number: UN 2735
14.2. UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(Bicyclo[2.2.1]heptanebis(methylamine))
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8

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Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E0
EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 2735
14.2. UN proper shipping name: POLYAMINES, LIQUID, CORROSIVE, N.O.S.
(Bicyclo[2.2.1]heptanebis(methylamine))
14.3. Transport hazard class(es): 8
14.4. Packing group: III
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: Forbidden
Passenger LQ: Forbidden
Excepted quantity: E0
IATA-packing instructions - Passenger: 850
IATA-max. quantity - Passenger: 0.5 L
IATA-packing instructions - Cargo: 854
IATA-max. quantity - Cargo: 2.5 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

Informations for safe handling see chapter 7.
Informations for personal protective equipment see chapter 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): No information available.
2004/42/EC (VOC): No information available.
Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

Additional information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].
REACH 1907/2006 Appendix XVII, No (mixture): 3

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Water contaminating class (D): 2 - clearly water contaminating

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15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

SECTION 16: Other information**Changes**

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Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
CAS Chemical Abstracts Service
DNEL: Derived No Effect Level
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
LOAEL: Lowest observed adverse effect level
LOAEC: Lowest observed adverse effect concentration
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
NOAEL: No observed adverse effect level
NOAEC: No observed adverse effect level
NTP: National Toxicology Program
N/A: not applicable
OSHA: Occupational Safety and Health Administration
PNEC: predicted no effect concentration
PBT: Persistent bioaccumulative toxic
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
SARA: Superfund Amendments and Reauthorization Act
SVHC: substance of very high concern
TRGS Technische Regeln fuerGefahrstoffe
TSCA: Toxic Substances Control Act
VOC: Volatile Organic Compounds
VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe
WGK: Wassergefaehrungsklasse

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

Classification	Classification procedure
Skin Corr. 1A; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

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Further Information

Classification according EC regulation 1272/2008 (CLP): - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)