

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## Iron-X Paste

Revision date: 22.12.2017

Product code:

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

#### 1.1. Product identifier

Iron-X Paste

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

##### **Use of the substance/mixture**

Automotive care products

##### **Uses advised against**

Any non-intended use.

#### 1.3. Details of the supplier of the safety data sheet

Company name: carparts GmbH

Street: Vietorstraße 87

Place: D-51103 Köln

Telephone: +49 (0)221 28 58 58 -58

Telefax: +49 (0)221 28 58 58 -99

e-mail: info@carparts-koeln.de

Responsible Department: info@carparts-koeln.de

#### 1.4. Emergency telephone number: +49 (0)221 28 58 58 -58 (9:00-17:00 Mo-Fr)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### **Regulation (EC) No. 1272/2008**

Hazard categories:

Substance or mixture corrosive to metals: Met. Corr. 1

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

May be corrosive to metals.

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

May cause an allergic skin reaction.

#### 2.2. Label elements

##### **Regulation (EC) No. 1272/2008**

##### **Hazard components for labelling**

ammonium mercaptoacetate

Alcohols, C10-16, ethoxylated, sulfates, sodium salts

citral

(R)-p-mentha-1,8-diene; d-limonene

geraniol

**Signal word:** Danger

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### Pictograms:



### Hazard statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.

### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
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

#### Chemical characterization in aqueous solution

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
5421-46-5	ammonium mercaptoacetate			20 - < 25 %
	226-540-9			
	Met. Corr. 1, Acute Tox. 3, Skin Sens. 1; H290 H301 H317			
68585-34-2	Alcohols, C10-16, ethoxylated, sulfates, sodium salts			15 - 25 %
	500-223-8			
	Skin Irrit. 2, Eye Dam. 1; H315 H318			
106-24-1	geraniol			0.1 - < 0.2 %
	203-377-1			
	Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1; H315 H318 H317			
5392-40-5	citral			0.1 - < 0.2 %
	226-394-6	605-019-00-3		
	Skin Irrit. 2, Skin Sens. 1; H315 H317			
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene			0.1 - < 0.2 %
	227-813-5	601-029-00-7		
	Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H226 H315 H317 H400 H410			

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

### Labelling for contents according to Regulation (EC) No 648/2004

15 % - &lt; 30 % anionic surfactants, &lt; 5 % polycarboxylates, perfumes (Geraniol, Citral, Limonene, Linalool).

### Further Information

Product does not contain listed SVHC substances &gt; 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

Do not breathe gas/vapour/aerosol. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Take off immediately all contaminated clothing and wash it before reuse.

#### 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.

#### After contact with skin

Gently wash with plenty of soap and water. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Immediately call a POISON CENTER.

#### After ingestion

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

### 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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. alcohol resistant foam. Atomized water.

#### 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 (CO<sub>2</sub>). Sulphur oxides. Nitrogen oxides (NO<sub>x</sub>).

### 5.3. Advice for firefighters

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

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Safe handling: see section 7

Personal protection equipment: see section 8

### **6.2. Environmental precautions**

Discharge into the environment must be avoided.

### **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**

Disposal: see section 13

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Wear suitable protective clothing. See section 8.

#### **Advice on protection against fire and explosion**

Usual measures for fire prevention.

#### **Further information on handling**

General protection and hygiene measures: 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.

#### **Hints on joint storage**

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

#### **Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

### **7.3. Specific end use(s)**

See section 1.

## SECTION 8: Exposure controls/personal protection

### **8.1. Control parameters**

#### **Additional advice on limit values**

To date, no national critical limit values exist.

### **8.2. Exposure controls**



#### **Appropriate engineering controls**

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

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**Protective and hygiene measures**

Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

**Eye/face protection**

Wear safety glasses; chemical goggles (if splashing is possible). 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.

Check leak tightness/impermeability prior to use. 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 (D).

**Respiratory protection**

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

**Environmental exposure controls**

No special precautionary measures are necessary.

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

Physical state:	liquid
Colour:	colourless
Odour:	characteristic
pH-Value (at 20 °C):	7

**Changes in the physical state**

Melting point:	not determined
Initial boiling point and boiling range:	~100 °C
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Flash point:	not determined
Sustaining combustion:	Not sustaining combustion

**Explosive properties**

none

Lower explosion limits:	not determined
Upper explosion limits:	not determined
Ignition temperature:	not determined

**Auto-ignition temperature**

Gas:	not determined
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Decomposition temperature: not determined

### **Oxidizing properties**

none

Vapour pressure: not determined

Density: not determined

Water solubility: not determined

### **Solubility in other solvents**

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent separation test: not determined

Solvent content: not determined

### **9.2. Other information**

Solid content: not determined

## **SECTION 10: Stability and reactivity**

### **10.1. Reactivity**

May be corrosive to metals.

### **10.2. Chemical stability**

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

### **10.3. Possibility of hazardous reactions**

Refer to chapter 10.5.

### **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 products**

Can be released in case of fire: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Sulphur oxides. Nitrogen oxides (NO<sub>x</sub>).

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Toxicokinetics, metabolism and distribution**

No data available.

#### **Acute toxicity**

Harmful if swallowed.

#### **ATEmix calculated**

ATE (oral) 401,6 mg/kg

CAS No	Chemical name

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	Exposure route	Dose	Species	Source	Method
5421-46-5	ammonium mercaptoacetate				
	oral	ATE 100 mg/kg			
106-24-1	geraniol				
	oral	LD50 3600 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >5000 mg/kg	Rabbit.	ECHA Dossier	
5392-40-5	citral				
	oral	LD50 6800 mg/kg	Rat.	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat.	ECHA Dossier	
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene				
	oral	LD50 >2000 mg/kg	Rat	RTECS	
	dermal	LD50 >2000 mg/kg	Rabbit	IUCLID	

#### Irritation and corrosivity

Causes skin irritation.

Causes serious eye damage.

#### Sensitising effects

May cause an allergic skin reaction. (ammonium mercaptoacetate; geraniol; citral; (R)-p-mentha-1,8-diene; d-limonene)

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

citral:

In-vitro mutagenicity OECD Guideline 471 (Bacterial Reverse Mutation Assay) = negative. Literature information: ECHA Dossier; In-vivo mutagenicity OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) = negative. Literature information: ECHA Dossier; Carcinogenicity: Method: -, Species: Rat. Result: negative. Literature information: RESS,NB HAILEY,JR MARONPOT,RR BUCHER,JR TRAVLOS,GS, HASEMAN,JK ORZECH,DP JOHNSON,JD AND HEJTMANCIK,MR; TOXICOLOGY AND CARCINOGENESIS STUDIES OF MICROENCAPSULATED CITRAL IN RATS AND MICE; TOXICOL. SCI. 71(2):198-206, 2003

(R)-p-mentha-1,8-diene, d-limonene:

In-vitro mutagenicity: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = negative. Literature information: ECHA Dossier; Carcinogenicity: Method: OECD Guideline 451 (Carcinogenicity Studies); Species: Rat; Length of test: 2 years; Result: NOAEL >= 300 <= 600 mg/kg; Literature information: ECHA Dossier

geraniol:

In-vitro mutagenicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) Result: negative. Literature information: ECHA Dossier. Reproductive toxicity: (dermal.) Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) Species: Rat, Result: NOEL = 300 mg/kg; Literature information: ECHA Dossier

Developmental toxicity/teratogenicity: (dermal.) Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test) Species: Rat, Result: NOAEL = 300 mg/kg; Literature information: ECHA Dossier

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### STOT-single exposure

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

(R)-p-mentha-1,8-diene, d-limonene:

Subacute oral toxicity Mouse.) NOAEL = 1650 mg/kg; Literature information: ECHA Dossier

geraniol:

Subchronic oral toxicity: Method: -, Species: Rat,

Results: NOEL >= 550 mg/kg; Literature information: ECHA Dossier

### STOT-repeated exposure

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

### Aspiration hazard

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

### Specific effects in experiment on an animal

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
106-24-1	geraniol					
	Acute fish toxicity	LC50 22 mg/l	96 h	Danio rerio	ECHA Dossier	
	Acute algae toxicity	ErC50 13,1 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 10,3 mg/l	48 h	Daphnia magna	ECHA Dossier	
5392-40-5	citral					
	Acute fish toxicity	LC50 4,6 mg/l	96 h	Leuciscus idus	ECHA Dossier	
	Acute algae toxicity	ErC50 103,8 mg/l	72 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50 6,8 mg/l	48 h	Daphnia magna	ECHA Dossier	
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene					
	Acute fish toxicity	LC50 0,7 mg/l	96 h	Pimephales promelas	ECHA Dossier	
	Acute crustacea toxicity	EC50 0,36 mg/l	48 h	Daphnia magna	ECHA Dossier	

### 12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
106-24-1	geraniol			
	OECD Guideline 301 A (new version)	90%	3	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
5392-40-5	citral			
	EU Method C.4-D	90%	28	ECHA Dossier
	Readily biodegradable (according to OECD criteria).			
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene			
	OECD 301D / EEC 92/69 annex V, C.4-E	80 %	28	ECHA Dossier

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	Easily biodegradable (concerning to the criteria of the OECD)
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#### **12.3. Bioaccumulative potential**

##### **Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
106-24-1	geraniol	2,6
5392-40-5	citral	2,76
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene	4,23

##### **BCF**

CAS No	Chemical name	BCF	Species	Source
5989-27-5	(R)-p-mentha-1,8-diene; d-limonene	1022	QSAR	ECHA

#### **12.4. Mobility in soil**

No data 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 data available.

#### **Further information**

Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

### **13.1. Waste treatment methods**

#### **Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

#### **List of Wastes Code - residues/unused products**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

#### **List of Wastes Code - used product**

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

#### **List of Wastes Code - contaminated packaging**

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)**

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**14.1. UN number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (ammonium mercaptoacetate)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C9  
Special Provisions: 274  
Limited quantity: 5 L  
Excepted quantity: E1  
Transport category: 3  
Hazard No: 80  
Tunnel restriction code: E

## Inland waterways transport (ADN)

**14.1. UN number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (ammonium mercaptoacetate)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Classification code: C9  
Special Provisions: 274  
Limited quantity: 5 L  
Excepted quantity: E1

## Marine transport (IMDG)

**14.1. UN number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (ammonium mercaptoacetate)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
Hazard label: 8



Marine pollutant: NO  
Special Provisions: 223, 274  
Limited quantity: 5 L  
Excepted quantity: E1  
EmS: F-A, S-B

## Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1760  
**14.2. UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (ammonium mercaptoacetate)

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**14.3. Transport hazard class(es):** 8**14.4. Packing group:** III

Hazard label: 8



Special Provisions: A3 A803

Limited quantity Passenger: 1 L

Passenger LQ: Y841

Excepted quantity: E1

IATA-packing instructions - Passenger: 852

IATA-max. quantity - Passenger: 5 L

IATA-packing instructions - Cargo: 856

IATA-max. quantity - Cargo: 60 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Refer to section 6-8

**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

**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**

Rev. 1.00; 11.04.2014, Initial release

Rev. 1,01; 04.12.2014, Change of the composition; Changes in chapter: 2, 3, 4, 6, 7, 8, 10, 11, 12, 14, 15, 16.

Rev. 1,02; 12.03.2015, Change of the composition; Changes in chapter: 2, 3, 4, 11, 12, 16.

Rev. 2,00; 22.12.2017, Change of the composition; Changes in chapter: 2-16.

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**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

AGW: Arbeitsplatzgrenzwert

AVV: Abfallverzeichnisverordnung

CAS Chemical Abstracts Service

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

EAKV: Europäisches Abfallverzeichnis gemäß Entwurf Abfallverzeichnisverordnung

EINECS: European INventory of Existing Commercial chemical Substances

ELINCS: European List of Notified Chemical Substances

ECHA: European Chemicals Agency

EWC: European Waste Catalogue

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)

h: hour

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

NLP: No-Longer Polymers

N/A: not applicable

OECD: Organisation for Economic Co-operation and Development

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 )

REACH: Registration, Evaluation, Authorisation of Chemicals

SVHC: substance of very high concern

TRGS Technische Regeln fuer Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

VwVwS: Verwaltungsvorschrift wassergefaehrdender Stoffe

WGK: Wassergefaehrdungsklasse

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

Classification	Classification procedure
Met. Corr. 1; H290	On basis of test data
Acute Tox. 4; H302	Calculation method
Skin Irrit. 2; H315	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1; H317	Calculation method

**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H290	May be corrosive to metals.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Further Information**

Classification according to Regulation (EC) No 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.)*