

Safety Data Sheet

according to UK REACH Regulation

Tacky Flux 151-TEM

Revision date: 03.11.2021

Product code: 950508

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

Tacky Flux 151-TEM

Further trade names

This MSDS covers the following products:

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

Tacky flux for soft soldering

Uses advised against

any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	Balver Zinn Josef Jost GmbH & Co. KG	
Street:	Blintroper Weg 11	
Place:	D-58802 Balve	
Telephone:	+49 2375 915-0	Telefax: +49 2375 915-114
Responsible Department:	cia@BalverZinn.com	

1.4. Emergency telephone number: +49 (0) 700 24 112 112 (Contract-ID: BZW) or
+1 872 5888-271 (Contract-ID: BZW)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****GB CLP Regulation**

Hazard categories:

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

Causes serious eye damage.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monohexyl ether, hexyl carbitol

Signal word: Danger**Pictograms:****Hazard statements**

H318 Causes serious eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing 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.

2.3. Other hazards

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

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	GHS Classification			
112-59-4	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monoethyl ether, hexyl carbitol			35 - < 40 %
	203-988-3	603-175-00-7	01-2119945815-28	
	Acute Tox. 4, Eye Dam. 1; H312 H318			
8050-15-5	Resin acids and Rosin acids, hydrogenated, Me esters			1 - < 3 %
	232-476-2		01-2119969275-26	
	Aquatic Chronic 3; H412			
112-25-4	2-hexyloxyethanol, ethylene glycol monoethyl ether, n-hexylglycol			0.5 - < 1 %
	203-951-1	603-178-00-3		
	Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B; H311 H302 H314			

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
112-59-4	203-988-3	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monoethyl ether, hexyl carbitol	35 - < 40 %	
	dermal: LD50 = (2764) mg/kg			
8050-15-5	232-476-2	Resin acids and Rosin acids, hydrogenated, Me esters	1 - < 3 %	
	dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg			
112-25-4	203-951-1	2-hexyloxyethanol, ethylene glycol monoethyl ether, n-hexylglycol	0.5 - < 1 %	
	dermal: LD50 = 757 mg/kg; oral: LD50 = 738 mg/kg			

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 sheet if possible). Change contaminated clothing.

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

Remove contaminated, saturated clothing immediately. Wash immediately with: Water and soap. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting.

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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

refer to chapter 2 and 11.

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
Extinguishing powder
D -powder

Unsuitable extinguishing media

Extinguishing media which must not be used for safety reasons:
Water
High power water jet
Water spray jet

5.2. Special hazards arising from the substance or mixture

Can be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Metal oxide smoke, 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.
Use water spray jet to protect personnel and to cool endangered containers.
Co-ordinate fire-fighting measures to the fire surroundings.

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

Ventilate affected area.
Do not breathe smoke. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear personal protection equipment. (See section 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). 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**Other information**

Take up mechanically.
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

Safe handling: see section 7
Personal protection equipment: see section 8
Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

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Advice on safe handling

Provide adequate ventilation.
Do not breathe smoke. Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.
Wear suitable protective clothing. (See section 8.)

Advice on protection against fire and explosion

Usual measures for fire prevention.

Advice on general occupational hygiene

The usual precautions for handling chemicals should be considered.
Keep away from food, drink and animal feedingstuffs.
Always close containers tightly after the removal of product. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Protect skin by using skin protective cream. Take off contaminated clothing and wash it before reuse. Street clothing should be stored separately from work clothing.
Contaminated work clothing should not be allowed out of the workplace.

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.
Keep/Store only in original container.

Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances.

Further information on storage conditions

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.
Protect against: UV-radiation/sunlight. heat. Humidity frost.
storage temperature: refer to specifications.

7.3. Specific end use(s)

See section 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
111-46-6	2,2'-Oxydiethanol	23	101		TWA (8 h)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
112-59-4	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monohexyl ether, hexyl carbitol			
	Worker DNEL, long-term	inhalation	systemic	16,3 mg/m ³
	Worker DNEL, long-term	dermal	systemic	50 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	4,1 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	25 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	1,25 mg/kg bw/day
8050-15-5	Resin acids and Rosin acids, hydrogenated, Me esters			

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Worker DNEL, long-term	dermal	systemic	6,3 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	44,6 mg/m ³
Consumer DNEL, long-term	inhalation	systemic	13,2 mg/m ³
Consumer DNEL, long-term	dermal	systemic	3,8 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	3,8 mg/kg bw/day
112-25-4	2-hexyloxyethanol, ethylene glycol monoethyl ether, n-hexylglycol		
Worker DNEL, long-term	inhalation	systemic	18,4 mg/m ³
Worker DNEL, long-term	dermal	systemic	9,3 mg/kg bw/day
Worker DNEL, acute	dermal	systemic	18,5 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	2,9 mg/m ³
Consumer DNEL, long-term	dermal	systemic	4,63 mg/kg bw/day
Consumer DNEL, acute	dermal	systemic	9,25 mg/kg bw/day
Consumer DNEL, acute	oral	systemic	0,49 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,24 mg/kg bw/day

PNEC values

CAS No	Substance	Value
112-59-4	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monoethyl ether, hexyl carbitol	
	Freshwater	1,963 mg/l
	Freshwater (intermittent releases)	1 mg/l
	Marine water	0,196 mg/l
	Freshwater sediment	10,7 mg/kg
	Marine sediment	1,07 mg/kg
	Micro-organisms in sewage treatment plants (STP)	10 mg/l
	Soil	0,995 mg/kg
8050-15-5	Resin acids and Rosin acids, hydrogenated, Me esters	
	Freshwater	0,027 mg/l
	Marine water	0,0027 mg/l
	Freshwater sediment	625,79 mg/kg
	Marine sediment	62,58 mg/kg
	Micro-organisms in sewage treatment plants (STP)	2 mg/l
	Soil	125 mg/kg
112-25-4	2-hexyloxyethanol, ethylene glycol monoethyl ether, n-hexylglycol	
	Freshwater	0,14 mg/l
	Marine water	0,014 mg/l
	Micro-organisms in sewage treatment plants (STP)	75 mg/l
	Freshwater sediment	0,644 mg/kg
	Marine sediment	0,0644 mg/kg
	Soil	0,0467 mg/kg

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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.

Individual protection measures, such as personal protective equipment**Eye/face protection**

Recommended eye protection brand: Tightly sealed safety glasses. (BS/EN 166)

Hand protection

In case of prolonged or frequently repeated skin contact:

Wear suitable gloves.

Suitable material: Butyl rubber.

Thickness of glove material: 0,5 mm, break-through time: > 480 min.

Disposable gloves: 0,2 mm

On short hand contact: Hand protection: not required. Wash hands before breaks and after work.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

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

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.

Skin protection

Protective clothing (heat-resistant)

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.

Respiratory protection necessary at:

Insufficient ventilation

Exceeding exposure limit values

Suitable respiratory protective equipment: Particle filter device (DIN EN 143) Type: P2/3

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 must be used.

Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

This material and its container must be disposed of in a safe way.

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

Physical state:	Paste
Colour:	milky
Odour:	characteristic.

Changes in the physical state

Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	not determined

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Flash point: not determined

Explosive properties

none

Lower explosion limits: not determined

Upper explosion limits: not determined

Decomposition temperature: not determined

Oxidizing properties

none.

pH-Value: not determined

Viscosity / dynamic:
(at 20 °C) not determinedViscosity / kinematic:
(at 20 °C) not determined

Flow time: not determined

Water solubility: not miscible

Solubility in other solvents

not determined

Vapour pressure:
(at 20 °C) not determined

Density: not determined

Relative vapour density: not determined

9.2. Other information**Other safety characteristics**

Solid content: not determined

Further Information**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

Reacts with : Strong acid, Oxidising agent

10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong. Strong acid. strong alkalis.

10.6. Hazardous decomposition productsCan be released in case of fire: Gas/vapours, irritant. Carbon monoxide Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Metal oxide smoke, toxic.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in GB CLP Regulation****Toxicokinetics, metabolism and distribution**

No data available.

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Acute toxicity

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

CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
112-59-4	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monohexyl ether, hexyl carbitol					
	dermal	LD50 (2764) mg/kg	Rabbit	REACH Dossier	OECD Guideline 402	
8050-15-5	Resin acids and Rosin acids, hydrogenated, Me esters					
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier		
	dermal	LD50 >2000 mg/kg		ECHA Dossier		
112-25-4	2-hexyloxyethanol, ethylene glycol monohexyl ether, n-hexylglycol					
	oral	LD50 738 mg/kg	Rat. female. (OECD 401)	ECHA Dossier		
	dermal	LD50 757 mg/kg	Rabbit. male. (OECD 402)	ECHA Dossier		

Irritation and corrosivity

Causes serious eye damage.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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

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.

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
112-59-4	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monohexyl ether, hexyl carbitol					
	Acute fish toxicity	LC50 200 mg/l	96 h	Pimephales sp.	REACH Dossier	OECD Guideline 203
	Acute algae toxicity	ErC50 198,31 mg/l	72 h	Desmodesmus subspicatus	REACH Dossier	DIN 38412, part L9
	Acute crustacea toxicity	EC50 > 100 mg/l	48 h	Daphnia magna	REACH Dossier	OECD Guideline 202
8050-15-5	Resin acids and Rosin acids, hydrogenated, Me esters					
	Acute fish toxicity	LC50 LL50: >1000 mg/l	96 h	Pimephales promelas	ECHA Dossier	

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	Acute algae toxicity	ErC50 >1000 mg/l	EL:	72 h	Pseudokirchnerella subcapitata	ECHA Dossier	
	Acute crustacea toxicity	EC50 mg/l	EL: 27	48 h	Daphnia magna	ECHA Dossier	
112-25-4	2-hexyloxyethanol, ethylene glycol monoethyl ether, n-hexylglycol						
	Acute fish toxicity	LC50	140 mg/l	96 h	Pimephales promelas	ECHA Dossier	
	Acute algae toxicity	ErC50	147 mg/l	96 h	Desmodesmus subspicatus	ECHA Dossier	
	Acute crustacea toxicity	EC50	145 mg/l	48 h	Daphnia magna	ECHA Dossier	

12.2. Persistence and degradability

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
112-59-4	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monoethyl ether, hexyl carbitol			
	OECD Guideline 301 A	>90	15	REACH Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			
8050-15-5	Resin acids and Rosin acids, hydrogenated, Me esters			
	OECD 301B / ISO 9439 / EEC 92/69/V, C.4-C	28%	28	ECHA Dossier
	Not readily biodegradable (according to OECD criteria)			
112-25-4	2-hexyloxyethanol, ethylene glycol monoethyl ether, n-hexylglycol			
	OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C	96,8%	20	ECHA Dossier
	Easily biodegradable (concerning to the criteria of the OECD)			

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
112-59-4	2-(2-hexyloxyethoxy)ethanol, 3,6-dioxa-1-dodecanol, 3,6-dioxadodecan-1-ol, DEGHE, diethylene glycol monoethyl ether, hexyl carbitol	1,7
8050-15-5	Resin acids and Rosin acids, hydrogenated, Me esters	3,31
112-25-4	2-hexyloxyethanol, ethylene glycol monoethyl ether, n-hexylglycol	1,86

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.

12.7. 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**

Dispose of waste according to applicable legislation. 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:

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List of Wastes Code - residues/unused products

160303 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes containing hazardous substances; hazardous waste

List of Wastes Code - used product

160303 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150202 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; absorbents, filter materials, wiping cloths and protective clothing; absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances; hazardous waste

Contaminated packaging

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

Recommended cleaning agent: Water, if necessary together with cleansing agents.

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

14.1. UN number or ID number: Not restricted

14.2. UN proper shipping name: Not restricted

14.3. Transport hazard class(es): Not restricted

14.4. Packing group: Not restricted

Inland waterways transport (ADN)

14.1. UN number or ID number: Not restricted

14.2. UN proper shipping name: Not restricted

14.3. Transport hazard class(es): Not restricted

14.4. Packing group: Not restricted

Marine transport (IMDG)

14.1. UN number or ID number: Not restricted

14.2. UN proper shipping name: Not restricted

14.3. Transport hazard class(es): Not restricted

14.4. Packing group: Not restricted

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: Not restricted

14.2. UN proper shipping name: Not restricted

14.3. Transport hazard class(es): Not restricted

14.4. Packing group: Not restricted

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

See section 8.

14.7. Maritime transport in bulk according to IMO instruments

not relevant.

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

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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: not relevant

National regulatory information

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).
Water hazard class (D):	2 - obviously hazardous to water

Additional information

Observe technical data sheet.

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

Rev. 1.00; 03.11.2021, Initial release

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

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 concentration

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

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VOC: Volatile Organic Compounds

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

Further Information

Classification according to GHS (UK 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.)