

Safety Data Sheet

according to Regulation (EC) No 1907/2006

TLB Pox B

Revision date: 23.09.2022

Product code:

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

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

Component B: Amines

Uses advised against

Any non-intended use.

1.3. Details of the supplier of the safety data sheet

Company name:	Tikal Marine Systems GmbH	
Street:	Werkstraße 6	
Place:	D-22844 Norderstedt	
Telephone:	+49 40 526 30 60 3	Telefax: +49 40 526 30 60 5
e-mail:	info@tikal-online.de	
Internet:	www.tikal-online.com	

1.4. Emergency telephone number:

Tikal Marine Systems GmbH +49 40 526 30 60 3

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

Acute Tox. 4; H302
 Skin Corr. 1B; H314
 Eye Dam. 1; H318
 Skin Sens. 1; H317
 Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

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

Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines
 Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia
 3,6,9-triazaundecamethylenediamine; tetraethylenepentamine

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

H302	Harmful if swallowed.
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

P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

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P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P501 Dispose of contents/container to local/regional/national/international regulations.

2.3. Other hazards

For information or further instructions, see also section 11 or 12.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
Trade secret	Alkyl phenol polyamine			26 - 30 %
68410-23-1	Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines			25 - 28 %
	614-452-7			
	Acute Tox. 3, Eye Dam. 1; H311 H318			
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia			18 - 22 %
	695-873-3			
	Acute Tox. 4, Skin Corr. 1C, Eye Dam. 1, Aquatic Chronic 3; H302 H314 H318 H412			
112-57-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine			5 - 8 %
	203-986-2	612-060-00-0		
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 2; H312 H302 H314 H317 H411			
8007-24-7	cashew nut shell oil; decarboxylating cashew nut shell liquid			4 - 7 %
	232-355-4			
102-71-6	2,2',2''-nitrotriethanol			1 - 2 %
	203-049-8			

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		
68410-23-1	614-452-7	Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines	25 - 28 %
	dermal: LD50 = 660 mg/kg; oral: LD50 = 2140 mg/kg		
9046-10-0	695-873-3	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia	18 - 22 %
	dermal: LD50 = 2090 mg/kg; oral: LD50 = 475 mg/kg		
112-57-2	203-986-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	5 - 8 %
	dermal: LD50 = 1260 mg/kg; oral: ATE = 500 mg/kg		

Further Information

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

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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).

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. Auxilolon spray, Pulmicort-dosage-spray. (Auxilolon 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, seek medical treatment.

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)

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****General advice**

Do not breathe vapour/aerosol. Avoid contact with skin, eyes and clothes.

For non-emergency personnel

Wear personal protection equipment (refer to section 8).

For emergency responders

No special measures are necessary.

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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**For containment**

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.

For cleaning up

Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Safe handling: see section 7

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.)

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.

Advice on general occupational hygiene

When using do not eat, drink or smoke.

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. Only use containers specifically approved for the substance/product.

Make sure spills can be contained (e.g. sump pallets or kerbed areas).

Hints on joint storage

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: 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****Occupational exposure limits**

CAS No	Substance	ppm	mg/m ³	fib/cm ³	Category	Origin
102-71-6	Triethanolamine	-	5		TWA (8 h)	

8.2. Exposure controls

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**Appropriate engineering controls**

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

Provide adequate ventilation.

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

Wear eye/face protection. EN 166

Hand protection

Wear suitable gloves.

Suitable material:

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

Breakthrough time \geq 8 h

Butyl rubber. - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

CR (polychloroprenes, Chloroprene rubber). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

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

Breakthrough time \geq 8 h

PVC (Polyvinyl chloride). - Thickness of glove material: 0,5 mm

Breakthrough time \geq 8 h

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.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 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 (D).

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: particulates filter device (DIN EN 143). type: P1-3

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

No information available.

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

Physical state:	Paste
Colour:	reddish
Odour:	odourless

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Changes in the physical state

Melting point/freezing point:	No information available.
Boiling point or initial boiling point and boiling range:	No information available.
Sublimation point:	No information available.
Softening point:	No information available.
Pour point:	No information available.
Flash point:	> 93 °C

Flammability

Solid/liquid:	No information available.
Gas:	No information available.

Explosive properties

none

Lower explosion limits:	No information available.
Upper explosion limits:	No information available.
Auto-ignition temperature:	> 200 °C

Self-ignition temperature

Solid:	No information available.
Gas:	No information available.

Decomposition temperature:	No information available.
pH-Value:	No information available.
Viscosity / dynamic:	thixotropic
Viscosity / kinematic:	No information available.
Flow time:	No information available.
Water solubility:	partly

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water:	No information available.
Vapour pressure: (at 50 °C)	< 5 hPa
Vapour pressure:	No information available.
Density (at 25 °C):	0,7 - 0,85 g/cm ³
Bulk density:	No information available.
Relative vapour density:	No information available.

9.2. Other information**Information with regard to physical hazard classes**

Sustaining combustion:	No data available
Oxidizing properties none	

Other safety characteristics

Solvent separation test:	No information available.
Solvent content:	0 % (Organic solvents & Water)
Solid content:	No information available.
Evaporation rate:	No information available.

Further Information

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No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reacts with : monomer, resin, Oxidizing agents.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

Refer to chapter 10.5.

10.4. Conditions to avoid

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

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

No information available.

Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1604,7 mg/kg; ATE (dermal) 2050,3 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68410-23-1	Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines				
	oral	LD50 mg/kg 2140	Rat (female & male)	SDS external	
	dermal	LD50 mg/kg 660	Rabbit (female & male)	SDS external	
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia				
	oral	LD50 mg/kg 475	Rat (female & male)	SDS external	
	dermal	LD50 mg/kg 2090	Rabbit (female & male)	SDS external	
112-57-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine				
	oral	ATE mg/kg 500			
	dermal	LD50 mg/kg 1260	Rabbit	ECHA Dossier	

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

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Sensitising effects

May cause an allergic skin reaction. (3,6,9-triazaundecamethylenediamine; tetraethylenepentamine)

Carcinogenic/mutagenic/toxic effects for reproduction

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

Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines:

In-vitro mutagenicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative.

Literature information: ECHA Dossier

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia:

In-vitro mutagenicity: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test) = positive (with metabolic activation); Literature information: ECHA Dossier

In-vivo mutagenicity: OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test) = negative.; Literature information: ECHA Dossier

Reproductive toxicity: NOAEL = 10 mg/kg

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.

Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia:

Polyoxypropylene diamine:

Subchronic dermal toxicity (Rat.): NOEL = 80 mg/kg

Literature information: ECHA Dossier

Aspiration hazard

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

11.2. Information on other hazards

Endocrine disrupting properties

No information available.

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
68410-23-1	Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines					
	Acute fish toxicity	LC50 > 420 mg/l	96 h	Guppy	SDS external	
	Acute algae toxicity	ErC50 6,8 mg/l	96 h	Algae	SDS external	
	Acute crustacea toxicity	EC50 24,1 mg/l	48 h	Daphnia	SDS external	
9046-10-0	Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Guppy	SDS external	
	Acute algae toxicity	ErC50 135 mg/l	96 h	Algae	SDS external	
	Acute crustacea toxicity	EC50 15 mg/l	48 h	Daphnia	SDS external	
112-57-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine					
	Acute fish toxicity	LC50 420 mg/l	96 h	Poecilia reticulata	ECHA Dossier	OECD 203

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	Acute algae toxicity	ErC50	2,1 mg/l	72 h	Selenastrum capricornutum	ECHA Dossier	OECD 201
	Acute crustacea toxicity	EC50 mg/l	24,1	48 h	Daphnia magna	ECHA Dossier	OECD 202

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
112-57-2	3,6,9-triazaundecamethylenediamine; tetraethylenepentamine	-1,05

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.
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

12.7. Other adverse effects

No information available.

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. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.
Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

List of Wastes Code - residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other 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.

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SECTION 14: Transport information


Land transport (ADR/RID)

<u>14.1. UN number or ID number:</u>	UN 2735
<u>14.2. UN proper shipping name:</u>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
	
Classification code:	C7
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	UN 2735
<u>14.2. UN proper shipping name:</u>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
	
Classification code:	C7
Special Provisions:	274
Limited quantity:	5 L
Excepted quantity:	E1

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	UN 2735
<u>14.2. UN proper shipping name:</u>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
	
Marine pollutant:	NO
Special Provisions:	223, 274
Limited quantity:	5 L
Excepted quantity:	E1
EmS:	F-A, S-B
Segregation group:	18 - alkalis

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	UN 2735
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<u>14.2. UN proper shipping name:</u>	POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Reaction products of di-, tri- and tetra-propoxylated propane-1,2-diol with ammonia)	
<u>14.3. Transport hazard class(es):</u>	8	
<u>14.4. Packing group:</u>	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

Safe handling: see section 7

Personal protection equipment: 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**EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

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

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

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 juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 2 - obviously hazardous to water

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; Initial release 23.09.2022

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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

CLP: Classification, Labelling and Packaging of substances and mixtures

DNEL: Derived No Effect Level

d: day(s)

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 concentration

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 für Gefahrstoffe

UN: United Nations

VOC: Volatile Organic Compounds

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

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Corr. 1B; 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.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.

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H412 Harmful 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.)