

EFD FR

# Safety Data Sheet according to Regulation (EC) No 1907/2006

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SDS No.: 391964

V001.0

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Replaces version from: -

LOCTITE ECCOBOND 931-1T1N1 known as 931-1T1N1 55CC

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

#### 1.1. Product identifier

LOCTITE ECCOBOND 931-1T1N1 known as 931-1T1N1 55CC EFD FR

#### **Contains:**

Triglycidyl-p-aminophenol Polyoxypropylene diamine

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

Intended use:

Epoxy adhesive

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

Henkel AG & Co. KGaA

Henkelstr. 67

40589 Düsseldorf

Germany

Phone: +49 211 797 0 Fax-no.: +49 211 798 2009

ua-productsafety.de@henkel.com

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

### **SECTION 2: Hazards identification**

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

# Classification (CLP):

Acute toxicity Category 4

H302 Harmful if swallowed. Route of Exposure: Oral

Skin corrosion Category 1C

H314 Causes severe skin burns and eye damage.

Serious eye damage Category 1

H318 Causes serious eye damage.

Skin sensitizer Category 1

H317 May cause an allergic skin reaction.

Germ cell mutagenicity Category 2

H341 Suspected of causing genetic defects.

Specific target organ toxicity - repeated exposure Category 2

H373 May cause damage to organs through prolonged or repeated exposure.

Chronic hazards to the aquatic environment Category 2

H411 Toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

### Label elements (CLP):

Hazard pictogram:



Signal word: Danger

**Hazard statement:** H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary statement:** P273 Avoid release to the environment.

**Prevention** P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Precautionary statement:** P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

**Response** 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 or doctor.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

### 2.3. Other hazards

None if used properly.

Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

# **SECTION 3: Composition/information on ingredients**

#### 3.2. Mixtures

# General chemical description:

Adhesive

# Base substances of preparation:

Epoxy resin

### Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components	EC Number	content	Classification
CAS-No.	REACH-Reg No.		
Triglycidyl-p-aminophenol	225-716-2	50- 100 %	Acute Tox. 4; Oral
5026-74-4	01-2119954405-36		H302
			Skin Sens. 1B; Dermal
			H317
			Muta. 2
			H341
			STOT RE 2; Oral
			H373
			Aquatic Chronic 2
			H411
Polyoxypropylene diamine	01-2119557899-12	20- 40 %	Skin Corr. 1C
9046-10-0			H314
			Aquatic Chronic 3
			H412

For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

# **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap.

Obtain medical attention if irritation persists.

Eve contact

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

Causes burns.

SKIN: Rash, Urticaria.

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

See section: Description of first aid measures

### **SECTION 5: Firefighting measures**

#### Combustion behaviour:

In case of fire toxic gases can be released.

### 5.1. Extinguishing media

### Suitable extinguishing media:

water, carbon dioxide, foam, powder

### Extinguishing media which must not be used for safety reasons:

High pressure waterjet

#### 5.2. Special hazards arising from the substance or mixture

Toxic and irritating vapors.

# 5.3. Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear.

### Additional information:

In case of fire, keep containers cool with water spray.

### **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Wear protective equipment.

#### **6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

### 6.3. Methods and material for containment and cleaning up

For small spills wipe up with paper towel and place in container for disposal.

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

Dispose of contaminated material as waste according to Section 13.

### 6.4. Reference to other sections

See advice in section 8

# **SECTION 7: Handling and storage**

# 7.1. Precautions for safe handling

Avoid skin and eye contact. See advice in section 8

#### Hygiene measures:

Good industrial hygiene practices should be observed. Wash hands before work breaks and after finishing work. Do not eat, drink or smoke while working.

# 7.2. Conditions for safe storage, including any incompatibilities

Ensure good ventilation/extraction. Keep container tightly sealed. Refer to Technical Data Sheet

### 7.3. Specific end use(s)

Epoxy adhesive

# **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

# **Occupational Exposure Limits**

Valid for Germany

None

# $\label{eq:predicted} \textbf{Predicted No-Effect Concentration (PNEC):}$

Name on list	Environmental Compartment	Exposure period	Value				Remarks
	Î		mg/l	ppm	mg/kg	others	
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	aqua (freshwater)		0,008 mg/l				
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	aqua (marine water)		0,001 mg/l				
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	sewage treatment plant (STP)		10 mg/l				
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	sediment (freshwater)				0,101 mg/kg		
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	sediment (marine water)				0,01 mg/kg		
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	Air						
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	soil				0,015 mg/kg		
Polypropylene glycol diamine (MW=230) 9046-10-0	aqua (freshwater)		0,015 mg/l				
Polypropylene glycol diamine (MW=230) 9046-10-0	aqua (marine water)		0,0143 mg/l				
Polypropylene glycol diamine (MW=230) 9046-10-0	aqua (intermittent releases)		0,15 mg/l				
Polypropylene glycol diamine (MW=230) 9046-10-0	sewage treatment plant (STP)		7,5 mg/l				
Polypropylene glycol diamine (MW=230) 9046-10-0	sediment (freshwater)				0,132 mg/kg		
Polypropylene glycol diamine (MW=230) 9046-10-0	sediment (marine water)				0,125 mg/kg		
Polypropylene glycol diamine (MW=230) 9046-10-0	oral				6,93 mg/kg		
Polypropylene glycol diamine (MW=230) 9046-10-0	soil				0,0176 mg/kg		

# **Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	Workers	inhalation	Long term exposure - systemic effects		0,6 mg/m3	
p-(2,3-Epoxypropoxy)-N,N-bis(2,3-epoxypropyl)aniline 5026-74-4	Workers	dermal	Long term exposure - systemic effects		0,17 mg/kg	
Polypropylene glycol diamine (MW=230) 9046-10-0	Workers	dermal	Long term exposure - systemic effects		2,5 mg/kg	
Polypropylene glycol diamine (MW=230) 9046-10-0	Workers	dermal	Long term exposure - local effects		0,623 mg/cm2	
Polypropylene glycol diamine (MW=230) 9046-10-0	General population	dermal	Long term exposure - systemic effects		1,25 mg/kg	
Polypropylene glycol diamine (MW=230) 9046-10-0	General population	oral	Long term exposure - systemic effects		0,04 mg/kg	
Polypropylene glycol diamine (MW=230) 9046-10-0	General population	dermal	Long term exposure - local effects		0,311 mg/cm2	

#### **Biological Exposure Indices:**

None

#### 8.2. Exposure controls:

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

Ensure adequate ventilation.

An approved mask or respirator fitted with an organic vapour cartridge should be worn if the product is used in a poorly

ventilated area

Filter type: A (EN 14387)

#### Hand protection:

Chemical-resistant protective gloves (EN 374).

Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):

nitrile rubber (NBR;  $\geq$ = 0.4 mm thickness)

Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):

nitrile rubber (NBR; >= 0.4 mm thickness)

This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

#### Eye protection:

Safety glasses with sideshields or chemical safety goggles should be worn if there is a risk of splashing. Protective eye equipment should conform to EN166.

### Skin protection:

Wear suitable protective clothing.

Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.

Advices to personal protection equipment:

The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions. Personal protective equipment should conform to the relevant EN standard.

#### **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

Appearance solid amber Odor mild

Odour threshold No data available / Not applicable

pН No data available / Not applicable Melting point No data available / Not applicable Solidification temperature No data available / Not applicable Initial boiling point No data available / Not applicable Flash point > 93 °C (> 199.4 °F)

Evaporation rate No data available / Not applicable No data available / Not applicable Flammability No data available / Not applicable Explosive limits Vapour pressure No data available / Not applicable Relative vapour density: No data available / Not applicable

Density 1,1 g/cm3

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Bulk density No data available / Not applicable Solubility No data available / Not applicable

Solubility (qualitative) Insoluble

(Solvent: Water)

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

No data available / Not applicable

No data available / Not applicable

No data available / Not applicable

Viscosity

No data available / Not applicable

Viscosity (kinematic)

No data available / Not applicable

Explosive properties

No data available / Not applicable

Oxidising properties

No data available / Not applicable

No data available / Not applicable

#### 9.2. Other information

No data available / Not applicable

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Reacts with alcohols and amines.

Reacts with oxidants, acids and lyes

Reaction with some curing agents may produce an exothermic reaction which in large masses could cause runaway polymerization.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity

#### 10.4. Conditions to avoid

No decomposition if stored and applied as directed.

#### 10.5. Incompatible materials

See section reactivity.

# 10.6. Hazardous decomposition products

Hydrocarbons

carbon oxides.

nitrogen oxides

Rapid polymerisation may generate excessive heat and pressure.

# **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

# Acute oral toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Triglycidyl-p- aminophenol 5026-74-4	LD50	1.037 mg/kg	mouse	OECD Guideline 401 (Acute Oral Toxicity)
Polyoxypropylene diamine 9046-10-0	LD50	2.885,3 mg/kg	rat	not specified

### Acute dermal toxicity:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Species	Method
CAS-No.	type			
Triglycidyl-p-	LD0	> 4.000 mg/kg	rat	OECD Guideline 402 (Acute Dermal Toxicity)
aminophenol				
5026-74-4				
Polyoxypropylene	LD50	2.979,7 mg/kg	rabbit	not specified
diamine				
9046-10-0				

#### Acute inhalative toxicity:

No data available.

### Skin corrosion/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Result	Exposure	Species	Method
CAS-No.		time		
Triglycidyl-p-	not irritating		rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
aminophenol				
5026-74-4				

### Serious eye damage/irritation:

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Result	Exposure	Species	Method
CAS-No.		time		
Triglycidyl-p-	slightly	30 s	rabbit	EPA OPP 81-4 (Acute Eye Irritation)
aminophenol	irritating			
5026-74-4				

# Respiratory or skin sensitization:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Triglycidyl-p-	sensitising	Maurer optimisation test	guinea pig	not specified
aminophenol				
5026-74-4				

#### Germ cell mutagenicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances	Result	Type of study /	Metabolic	Species	Method
CAS-No.		Route of	activation /		
		administration	Exposure time		
Triglycidyl-p-	positive	mammalian cell	with and without		OECD Guideline 476 (In vitro
aminophenol		gene mutation assay			Mammalian Cell Gene
5026-74-4					Mutation Test)
Triglycidyl-p-	positive	in vitro mammalian	with and without		OECD Guideline 473 (In vitro
aminophenol		chromosome			Mammalian Chromosome
5026-74-4		aberration test			Aberration Test)

### Carcinogenicity

No data available.

### Reproductive toxicity:

No data available.

# STOT-single exposure:

No data available.

### STOT-repeated exposure::

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Triglycidyl-p-	NOAEL 50 mg/kg	oral: gavage	28 d	rat	OECD Guideline 407
aminophenol			daily		(Repeated Dose 28-Day
5026-74-4					Oral Toxicity in Rodents)

#### **Aspiration hazard:**

No data available.

# **SECTION 12: Ecological information**

# General ecological information:

Do not empty into drains / surface water / ground water.

#### 12.1. Toxicity

### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Triglycidyl-p-aminophenol 5026-74-4	LC50	4,2 mg/l	96 h	31 1	OECD Guideline 203 (Fish, Acute Toxicity Test)
Polyoxypropylene diamine 9046-10-0	LC50	772,14 mg/l	96 h	71	OECD Guideline 203 (Fish, Acute Toxicity Test)

### Toxicity (Daphnia):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Triglycidyl-p-aminophenol 5026-74-4	EC50	18 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Polyoxypropylene diamine 9046-10-0	EC50	80 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

### Chronic toxicity to aquatic invertebrates

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Triglycidyl-p-aminophenol 5026-74-4	NOEC	4,8 mg/l	21 d	- T	OECD 211 (Daphnia magna, Reproduction Test)

# Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Triglycidyl-p-aminophenol 5026-74-4	EC50	13 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Triglycidyl-p-aminophenol 5026-74-4	NOEC	4,2 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Polyoxypropylene diamine 9046-10-0	EC10	1,4 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Polyoxypropylene diamine 9046-10-0	EC50	15 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)

### Toxicity to microorganisms

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances	Value	Value	Exposure time	Species	Method
CAS-No.	type				
Triglycidyl-p-aminophenol	EC10	> 10 mg/l	16 h	Pseudomonas putida	DIN 38412, part 8
5026-74-4					(Pseudomonas
					Zellvermehrungshemm-
					Test)
Polyoxypropylene diamine	EC50	750 mg/l	3 h	activated sludge of a	OECD Guideline 209
9046-10-0				predominantly domestic sewage	(Activated Sludge,
					Respiration Inhibition Test)

# 12.2. Persistence and degradability

The product is not biodegradable.

Hazardous substances	Result	Test type	Degradability	Exposure	Method
CAS-No.				time	
Triglycidyl-p-aminophenol	not readily biodegradable.	aerobic	0 - 10 %	29 day	OECD Guideline 301 B (Ready
5026-74-4					Biodegradability: CO2 Evolution
					Test)
Polyoxypropylene diamine	not readily biodegradable.	aerobic	0 %	28 d	OECD Guideline 301 B (Ready
9046-10-0					Biodegradability: CO2 Evolution
					Test)

# 12.3. Bioaccumulative potential

No data available.

No substance data available.

### 12.4. Mobility in soil

Cured adhesives are immobile.

Hazardous substances	LogPow	Temperature	Method
CAS-No.			
Triglycidyl-p-aminophenol 5026-74-4	0,87	25 °C	QSAR (Quantitative Structure Activity Relationship)
Polyoxypropylene diamine 9046-10-0	1,34	25 °C	OECD Guideline 117 (Partition Coefficient (n-octanol / water), HPLC Method)

# 12.5. Results of PBT and vPvB assessment

Hazardous substances CAS-No.	PBT / vPvB
Triglycidyl-p-aminophenol 5026-74-4	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Polyoxypropylene diamine 9046-10-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

### 12.6. Other adverse effects

No data available.

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

### Product disposal:

Do not empty into drains / surface water / ground water.

Dispose of in accordance with local and national regulations.

# Disposal of uncleaned packages:

After use, tubes, cartons and bottles containing residual product should be disposed of as chemically contaminated waste in an authorised legal land fill site or incinerated.

#### Waste code

08 04 09 waste adhesives and sealants containing organic solvents and other dangerous substances

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes
for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We
will be happy to advise you.

# **SECTION 14: Transport information**

#### 14.1. UN number

ADR 3236

RID Transport forbidden

3236

ADN 3236 IMDG 3236

IATA Transport forbidden

3236

### 14.2. UN proper shipping name

ADR SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED

(Glycidyloxy epoxy resin, Polyether amine)

RID Transport forbidden

SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED

(Glycidyloxy epoxy resin, Polyether amine)

ADN SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED

(Glycidyloxy epoxy resin, Polyether amine)

IMDG SELF-REACTIVE SOLID TYPE D, TEMPERATURE CONTROLLED

(Glycidyloxy epoxy resin, Polyether amine)

IATA Transport forbidden

Self-reactive solid type D, temperature controlled (Glycidyloxy epoxy resin, Polyether

amine)

### 14.3. Transport hazard class(es)

ADR 4.1

RID Transport forbidden

4.1 4.1 4.1

IATA Transport forbidden

4.1

### 14.4. Packing group

ADR

ADN

**IMDG** 

RID Transport forbidden

ADN

**IMDG** 

IATA Transport forbidden

### 14.5. Environmental hazards

ADR Environmentally Hazardous RID Environmentally Hazardous ADN Environmentally Hazardous

IMDG Marine pollutant IATA not applicable

### 14.6. Special precautions for user

ADR not applicable

Tunnelcode: (D)
RID not applicable
ADN not applicable
IMDG not applicable
IATA not applicable

For transport a copy of the agreement from the local competent authority is necessary Control temperature:  $25^{\circ}$ C, Emergency temperature:  $30^{\circ}$ C

Controltemperature 25,00 °C Emergencytemperature 30,00 °C

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

not applicable

### **SECTION 15: Regulatory information**

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

VOC content < 3 % (2010/75/EC)

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

#### National regulations/information (Germany):

WGK: WGK = 2, water endangering product. Classification according to the mixture

rules in German VwVwS regulation annex 4 from 27.July 2005.

WGK: WGK = 2, significantly water endangering mixture. Classification according to

the mixture rules in German AwSV regulation annex 1, number 5.2 from 18.

April 2017.

Storage class according to TRGS 510: 5.2

### **SECTION 16: Other information**

The labelling of the product is indicated in Section 2. The full text

of all abbreviations indicated by codes in this safety data sheet are as follows:

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

#### **Further information:**

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

Relevant changes in this safety data sheet are indicated by vertical lines at the left margin in the body of this document. Corresponding text is displayed in a different color on shadowed fields.