according to Regulation (EC) No. 1907/2006

## SikaSense®-176

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

#### 1.1 Product identifier

Trade name SikaSense®-176

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

Product use : Adhesive

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

Company name of supplier Sika Schweiz AG

> Tüffenwies 16 8048 Zürich

Telephone +41 58 436 40 40

Telefax

E-mail address of person : EHS@ch.sika.com

responsible for the SDS

#### 1.4 Emergency telephone number

Tox Info Suisse CH-8028 Zurich

+41(0)44 251 51 51 / Speed calling: 145

## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Long-term (chronic) aquatic hazard, Cat-

egory 3

H412: Harmful to aquatic life with long lasting ef-

fects.

#### 2.2 Label elements

## Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word Warning

May cause an allergic skin reaction. Hazard statements H317

> Harmful to aquatic life with long lasting ef-H412

> > fects.

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Precautionary statements : Prevention:

P261 Avoid breathing mist or vapours.
P273 Avoid release to the environment.

P280 Wear protective gloves.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical

advice/ attention.

P362 + P364 Take off contaminated clothing and wash it

before reuse.

Disposal:

P501 Dispose of contents/container in accordance

with local regulation.

#### Hazardous components which must be listed on the label:

4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT)

2-octyl-2H-isothiazole-3-one (OIT)

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-

isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1))

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Contains a biocide in order to protect the product. Active ingredient: mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)), 55965-84-9, 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT), 64359-81-5, bronopol (INN), 52-51-7, 2-octyl-2H-isothiazole-3-one (OIT), 26530-20-1. Please use treated articles responsibly.

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

#### 3.2 Mixtures

Components

Components		T	1
Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
bronopol (INN)	52-51-7	Acute Tox. 3; H301	>= 0,0025 - <
	200-143-0	Acute Tox. 3; H331	0,025
	01-2119980938-15-	Acute Tox. 4; H312	
	XXXX	Skin Irrit. 2; H315	
		Eye Dam. 1; H318	
		STOT SE 3; H335	
		(Respiratory system)	
		Aquatic Acute 1;	
		H400	
		Aquatic Chronic 1;	
		H410	
		M-Factor (Acute	
		aquatic toxicity): 10	
		M-Factor (Chronic	
		aquatic toxicity): 1	

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4,5-dichloro-2-octyl-2H-isothiazol- 3-one (DCOIT)	64359-81-5 264-843-8	Acute Tox. 4; H302 Acute Tox. 2; H330 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071	>= 0,0025 - < 0,025
		M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 ———————————————————————————————————	
		Acute toxicity estimate  Acute oral toxicity: 567 mg/kg Acute inhalation toxicity (dust/mist): 0,16 mg/l	

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26530-20-1 247-761-7 01-2120768921-45- XXXX	Acute Tox. 3; H301 Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100  specific concentration limit Skin Sens. 1A; H317 >= 0,0015 %	>= 0,0025 - < 0,025
	Acute toxicity esti- mate	
	Acute oral toxicity: 125 mg/kg Acute inhalation tox- icity (dust/mist): 0,27 mg/l Acute dermal toxicity:	
	247-761-7 01-2120768921-45-	Acute Tox. 2; H330 Acute Tox. 3; H311 Skin Corr. 1; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071  M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100  specific concentration limit Skin Sens. 1A; H317 >= 0,0015 %  Acute oral toxicity: 125 mg/kg Acute inhalation toxicity (dust/mist): 0,27

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mixture of: 5-chloro-2-methyl-4-55965-84-9 Acute Tox. 3; H301 >= 0,0015 - < isothiazolin-3-one [EC no. 247-911-418-6 Acute Tox. 2: H330 0.0025 500-7] and 2-methyl-2H-01-2120764691-48-Acute Tox. 2: H310 isothiazol-3-one [EC no. 220-239-Skin Corr. 1C; H314 XXXX 6] (3:1) (C(M)IT/MIT (3:1)) Eye Dam. 1; H318 Skin Sens. 1A; H317 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH071 M-Factor (Acute aquatic toxicity): 100 M-Factor (Chronic aquatic toxicity): 100 specific concentration limit Skin Corr. 1C; H314 >= 0,6 % Skin Irrit. 2; H315 0.06 - < 0.6 % Eye Irrit. 2; H319 0.06 - < 0.6 % Skin Sens. 1A: H317 >= 0,0015 % Eye Dam. 1; H318 >= 0,6 %

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

General advice Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

If inhaled Move to fresh air.

Consult a physician after significant exposure.

In case of skin contact Take off contaminated clothing and shoes immediately.

> Wash off with soap and plenty of water. If symptoms persist, call a physician.

In case of eye contact Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

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If swallowed Do not induce vomiting without medical advice.

Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

**Symptoms** Allergic reactions

See Section 11 for more detailed information on health effects

and symptoms.

Risks sensitising effects

May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

**SECTION 5: Firefighting measures** 

5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon diox-

ide/sand/foam/alcohol resistant foam/chemical powder for

extinction.

5.2 Special hazards arising from the substance or mixture

ucts

Hazardous combustion prod- : No hazardous combustion products are known

5.3 Advice for firefighters

for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

Further information Standard procedure for chemical fires.

**SECTION 6: Accidental release measures** 

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Deny access to unprotected persons.

6.2 Environmental precautions

**Environmental precautions** Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform

respective authorities.

according to Regulation (EC) No. 1907/2006

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

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For personal protection see section 8.

## **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Advice on safe handling : Avoid exceeding the given occupational exposure limits (see

section 8).

Do not get in eyes, on skin, or on clothing. For personal protection see section 8.

Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Follow standard hygiene measures when handling chemical

products

Advice on protection against

fire and explosion

Normal measures for preventive fire protection.

Hygiene measures : Handle in accordance with good industrial hygiene and safety

practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accord-

ance with local regulations.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

## 7.3 Specific end use(s)

Specific use(s) : Consult most current local Product Data Sheet prior to any

use.

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

#### 8.1 Control parameters

#### **Occupational Exposure Limits**

Components	CAS-No.	Value type (Form	Control parame-	Basis *
·		of exposure)	ters *	
2-octyl-2H-isothiazole-3-one (OIT)	26530-20-1	TWA (inhalable	0,05 mg/m3	CH SUVA
		dust)		
	Further information: Toxic by skin resorption possible; Substanc-			
	es, which are easily absored through the skin, can give by addi-			
	tional skin resoption a substancial higher risk compared to only			
	inhalation by the airways., Sensitizers; Substances marked with			
	an S can lead to very strong allergic reactions.			
		STEL (inhalable	0,1 mg/m3	CH SUVA
		dust)		
mixture of: 5-chloro-2-methyl-4-	55965-84-9	TWA (inhalable	0,2 mg/m3	CH SUVA
isothiazolin-3-one [EC no. 247-500-7]		dust)		
and 2-methyl-2H-isothiazol-3-one [EC no.				
220-239-6] (3:1) (C(M)IT/MIT (3:1))				
	Further information: Sensitizers; Substances marked with an S			
	can lead to very strong allergic reactions., Harm to the unborn child is not to be expected when the OEL-value is respected			
		STEL (inhalable	0,4 mg/m3	CH SUVA
		dust)		

<sup>\*</sup>The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

#### 8.2 Exposure controls

#### **Engineering measures**

Maintain air concentrations below occupational exposure standards.

Ensure adequate ventilation, especially in confined areas.

#### Personal protective equipment

Eye/face protection : Safety glasses with side-shields conforming to EN166

Eye wash bottle with pure water

Hand protection : Chemical-resistant, impervious gloves complying with an ap-

proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-

facturer specifications.

Suitable for short time use or protection against splashes:

Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed.

Suitable for permanent exposure:

Viton gloves (0.4 mm), breakthrough time >30 min.

Skin and body protection : Protective clothing (e.g. Safety shoes acc. to EN ISO 20345,

long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing

and stirring work.

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Respiratory protection

: In case of inadequate ventilation wear respiratory protection.

Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work-

ing limits of the selected respirator.

organic vapor (Type A) and particulate filter

A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm P1: Inert material; P2, P3: hazardous substances

Ensure adequate ventilation. This can be achieved by local exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

#### **Environmental exposure controls**

General advice : Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform

respective authorities.

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

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

Physical state liquid Appearance viscous Colour various

Odour mild

Melting point/range / Freezing : No data available

point

Boiling point/boiling range No data available

Flammability (solid, gas) : No data available

#### Upper/lower flammability or explosive limits

per flammability limit

Upper explosion limit / Up- : No data available

Lower explosion limit /

Lower flammability limit

: No data available

Flash point : > 200 °C

Method: closed cup

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Auto-ignition temperature : No data available

Decomposition temperature : No data available

pH : 6,5 - 7,5

Concentration: 100 %

**Viscosity** 

Viscosity, dynamic : ca. 12.500 mPa.s (20 °C)

Viscosity, kinematic : > 20,5 mm2/s (40 °C)

Solubility(ies)

Water solubility : soluble

Partition coefficient: n-

octanol/water

: No data available

Vapour pressure : 23 hPa

Density : ca. 1,25 g/cm3 (20 °C)

Relative vapour density : No data available

Particle characteristics : No data available

#### 9.2 Other information

No data available

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

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

The product is chemically stable.

## 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

#### 10.4 Conditions to avoid

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Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No data available

## 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

## **SECTION 11: Toxicological information**

#### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### **Acute toxicity**

Not classified due to lack of data.

#### Components:

#### 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT):

Acute oral toxicity : Acute toxicity estimate: 567 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute inhalation toxicity : Acute toxicity estimate: 0,16 mg/l

Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

#### 2-octyl-2H-isothiazole-3-one (OIT):

Acute oral toxicity : Acute toxicity estimate: 125 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute inhalation toxicity : Acute toxicity estimate: 0,27 mg/l

Test atmosphere: dust/mist

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

Acute dermal toxicity : Acute toxicity estimate: 311 mg/kg

Method: Acute toxicity estimate according to Regulation (EC)

No. 1272/2008

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-

one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.

### Skin corrosion/irritation

Not classified due to lack of data.

according to Regulation (EC) No. 1907/2006

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## Serious eye damage/eye irritation

Not classified due to lack of data.

#### Respiratory or skin sensitisation

#### Skin sensitisation

May cause an allergic skin reaction.

#### Respiratory sensitisation

Not classified due to lack of data.

## Germ cell mutagenicity

Not classified due to lack of data.

#### Carcinogenicity

Not classified due to lack of data.

#### Reproductive toxicity

Not classified due to lack of data.

#### STOT - single exposure

Not classified due to lack of data.

#### STOT - repeated exposure

Not classified due to lack of data.

#### **Aspiration toxicity**

Not classified due to lack of data.

#### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

#### **SECTION 12: Ecological information**

#### 12.1 Toxicity

#### **Components:**

## bronopol (INN):

M-Factor (Acute aquatic tox- :

: 10

icity)

M-Factor (Chronic aquatic

÷

toxicity)

according to Regulation (EC) No. 1907/2006

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## 4,5-dichloro-2-octyl-2H-isothiazol-3-one (DCOIT):

Toxicity to fish : LC50 (Fish): 0,0027 mg/l

Exposure time: 96 h

M-Factor (Acute aquatic tox-

icity)

: 100

M-Factor (Chronic aquatic

toxicity)

100

## 2-octyl-2H-isothiazole-3-one (OIT):

M-Factor (Acute aquatic tox- : 100

icity)

M-Factor (Chronic aquatic

: 100

toxicity)

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-

one [EC no. 220-239-6] (3:1) (C(M)IT/MIT (3:1)):

M-Factor (Acute aquatic tox- : 100

icity)

M-Factor (Chronic aquatic

100

toxicity)

### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

#### 12.4 Mobility in soil

No data available

#### 12.5 Results of PBT and vPvB assessment

#### **Product:**

Assessment This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...

#### 12.6 Endocrine disrupting properties

#### **Product:**

Assessment : The substance/mixture does not contain components consid-

ered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher.

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#### 12.7 Other adverse effects

**Product:** 

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.

### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : The generation of waste should be avoided or minimized

wherever possible.

Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe

way.

Dispose of surplus and non-recyclable products via a licensed

waste disposal contractor.

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional

local authority requirements.

Avoid dispersal of spilled material and runoff and contact with

soil, waterways, drains and sewers.

Waste code Switzerland

VeVA/LVA

: 08 04 09 [S] waste adhesives and sealants containing organic

solvents or other dangerous substances

Contaminated packaging : 15 01 10 [S] packaging containing residues of or contaminat-

ed by dangerous substances

#### **SECTION 14: Transport information**

#### 14.1 UN number or ID number

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.2 UN proper shipping name

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA : Not regulated as a dangerous good

14.3 Transport hazard class(es)

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

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IATA : Not regulated as a dangerous good

14.4 Packing group

ADR : Not regulated as a dangerous good

IMDG : Not regulated as a dangerous good

IATA (Cargo) : Not regulated as a dangerous good

IATA (Passenger) : Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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

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

International Chemical Weapons Convention (CWC)

Schedules of Toxic Chemicals and Precursors

REACH Information: All substances contained in our Products are

- registered by our upstream suppliers, and/or

- registered by us, and/or

excluded from the regulation, and/or
exempted from the registration.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances,

mixtures and articles (Annex XVII)

: Conditions of restriction for the following entries should be considered:

Number on list 75, 3

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

: None of the components are listed

(=> 0.1 %).

: Not applicable

REACH - List of substances subject to authorisation

(Annex XIV)

: Not applicable

Regulation (EC) No 1005/2009 on substances that de-

plete the ozone layer

: Not applicable

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

Not applicable

PIC Ordinance, ChemPICO (814.82)

Not applicable

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Chemical Risk Reduction Ordinance (ORRChem, SR 814.81)

: See respective Annex to the Chemical Risk Reduction Ordinance (ORRChem, 814.81) for Conditions

of Restriction.

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Volatile organic compounds : Law on the incentive tax for volatile organic compounds

(VOCV) no VOC duties

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: < 0,01% w/w

#### Other regulations:

Young people undergoing basic vocational training may only work with this product if the relevant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product. Employees of either sex who are under 18 years old are classed as young people.

#### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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

#### **Full text of H-Statements**

H301: Toxic if swallowed.H302: Harmful if swallowed.H310: Fatal in contact with skin.H311: Toxic in contact with skin.H312: Harmful in contact with skin.

H314 : Causes severe skin burns and eye damage.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage.

H330 : Fatal if inhaled. H331 : Toxic if inhaled.

H335 : May cause respiratory irritation.

H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.

#### Full text of other abbreviations

Acute Tox. : Acute toxicity

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard

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Eye Dam. : Serious eye damage
Skin Corr. : Skin corrosion
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitisation

STOT SE : Specific target organ toxicity - single exposure CH SUVA : Switzerland. Limit values at the work place

CH SUVA / TWA : Time Weighted Average CH SUVA / STEL : Short Term Exposure Limit

ADR : European Agreement concerning the International Carriage of

Dangerous Goods by Road

CAS : Chemical Abstracts Service
DNEL : Derived no-effect level

EC50 : Half maximal effective concentration

GHS : Globally Harmonized System

IATA : International Air Transport Association

IMDG : International Maritime Code for Dangerous Goods

LD50 : Median lethal dosis (the amount of a material, given all at

once, which causes the death of 50% (one half) of a group of

test animals)

LC50 : Median lethal concentration (concentrations of the chemical in

air that kills 50% of the test animals during the observation

period)

MARPOL : International Convention for the Prevention of Pollution from

Ships, 1973 as modified by the Protocol of 1978

OEL : Occupational Exposure Limit

PBT : Persistent, bioaccumulative and toxic PNEC : Predicted no effect concentration

REACH : Regulation (EC) No 1907/2006 of the European Parliament

and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency

SVHC : Substances of Very High Concern

vPvB : Very persistent and very bioaccumulative

#### **Further information**

Classification of the mixture: Classification procedure:

Skin Sens. 1 H317 Calculation method Aquatic Chronic 3 H412 Calculation method

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.

Changes as compared to previous version!

CH / EN

according to Regulation (EC) No. 1907/2006

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