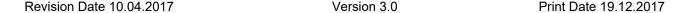
according to Regulation (EC) No. 1907/2006

# Sika® Unitherm® Steel W-120



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

1.1 Product identifier

Trade name : Sika® Unitherm® Steel W-120

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

Product use : Fire protection system

1.3 Details of the supplier of the safety data sheet

Company name of supplier : Sika Deutschland GmbH

Kornwestheimer Str. 103-107

D-70439 Stuttgart : +49 711 8009 0

Telephone E-mail address of person

responsible for the SDS

: EHS@de.sika.com

1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number):

GBK GmbH Global Regulatory Compliance +49(0)6132-84463

**SECTION 2: Hazards identification** 

2.1 Classification of the substance or mixture

Type of product : Mixture

Classification (REGULATION (EC) No 1272/2008)

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

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :

Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:** 

P261 Avoid breathing dust/ fume/ gas/ mist/ va-

pours/ spray.

P272 Contaminated work clothing should not be

allowed out of the workplace.

P280 Wear protective gloves/ eye protection/ face

protection.

Response:

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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 accord-

ance with local regulation.

Hazardous components which must be listed on the label:

• 204-798-3 triisobutyl phosphate

• 55965-84-9 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)

#### 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.

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

#### 3.2 Mixtures

#### **Hazardous components**

| Chemical name<br>CAS-No.<br>EC-No.<br>Registration number  | Classification<br>(REGULATION (EC)<br>No 1272/2008)  | Concentration [%]       |
|--|--|-------------------------|
| triisobutyl phosphate<br>126-71-6<br>204-798-3   | Skin Sens.1; H317  | >= 1 - < 2,5            |
| ammonia<br>1336-21-6<br>215-647-6<br>01-2119488876-14-XXXX   | Skin Corr.1B; H314<br>Eye Dam.1; H318<br>Aquatic Acute1; H400  | >= 0,025 - <<br>0,25    |
| 9(or 10)-sulphooctadecanoic acid, potassium salt<br>67968-63-2<br>267-966-5<br>01-2120101105-80-XXXX                                       | Eye Dam.1; H318<br>Repr.1B; H360D<br>Aquatic Chronic3;<br>H412   | >= 0,025 - <<br>0,25    |
| 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) 55965-84-9 | Acute Tox.3; H331<br>Acute Tox.2; H310<br>Acute Tox.3; H301<br>Skin Corr.1B; H314<br>Skin Sens.1A; H317<br>Aquatic Acute1; H400<br>Aquatic Chronic1;<br>H410 | >= 0,0002 - <<br>0,0015 |

For the full text of the H-Statements mentioned in this Section, see Section 16.

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#### **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.

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

: Treat symptomatically. Treatment

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

### 5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local cir-

cumstances and the surrounding environment.

#### 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

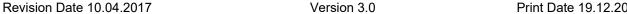
Special protective equipment : In the event of fire, wear self-contained breathing apparatus.

for firefighters

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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.

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

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

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 : Do not breathe vapours or spray mist. 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 application area. Follow standard hygiene

measures when handling chemical products

Advice on protection against

fire and explosion

: Normal measures for preventive fire protection.

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

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-

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ance with local regulations.

Storage class (TRGS 510) : 12, Non Combustible Liquids

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : No data available

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

#### 8.1 Control parameters

#### Components with workplace control parameters

| Components            | CAS-No.  | Value | Control parameters * | Basis *     |
|-----------------------|----------|-------|----------------------|-------------|
| triisobutyl phosphate | 126-71-6 | AGW   | 50 mg/m3             | DE TRGS 900 |

<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

### Personal protective equipment

Eye 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 (0,4 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,

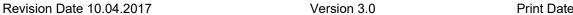
long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing

and stirring work.

Respiratory protection : Respirator selection must be based on known or anticipated

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exposure levels, the hazards of the product and the safe working 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.

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

9.1 Information on basic physical and chemical properties

Appearance : viscous liquid

Colour : white

Odour : characteristic

Odour Threshold : No data available

Flash point : Not applicable

Autoignition temperature : Remarks: Not applicable

Decomposition temperature : No data available

Lower explosion limit (Vol-%) : No data available

Upper explosion limit (Vol-%) : No data available

Flammability : No data available

Explosive properties : No data available

Oxidizing properties : No data available

pH : ca. 9

at 20 °C

Melting point/range / Freez-

ing point

ez- : No data available

Boiling point/boiling range : No data available

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Vapour pressure : 23 hPa

Density : ca.1,48 g/cm3

at 20 °C

Water solubility : soluble

Partition coefficient: n-

Viscosity, dynamic

octanol/water

: No data available

: ca.2.500 mPa.s at 20 °C

Viscosity, kinematic : > 20,5 mm2/s

at 40 °C

Relative vapour density : No data available

Evaporation rate : 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 : Stable under recommended storage conditions.

10.4 Conditions to avoid

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 toxicological effects

### **Acute toxicity**

Not classified based on available information.

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#### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitisation

Skin sensitisation: May cause an allergic skin reaction.

Respiratory sensitisation: Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

#### Reproductive toxicity

Not classified based on available information.

#### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

#### **Aspiration toxicity**

Not classified based on available information.

## **SECTION 12: Ecological information**

#### 12.1 Toxicity

### **Components:**

# triisobutyl phosphate:

Toxicity to daphnia and other : LC50: 11 mg/l, 48 h, Daphnia magna (Water flea)

aquatic invertebrates

: IC50: 34,1 mg/l, 72 h, Desmodesmus subspicatus (green al-Toxicity to algae

mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2Hisothiazol-3-one [EC no. 220-239-6] (3:1):

M-Factor (Acute aquatic tox-

icity)

M-Factor (Chronic aquatic

toxicity)

### 12.2 Persistence and degradability

No data available

#### 12.3 Bioaccumulative potential

No data available

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#### 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 Other adverse effects

**Product:** 

Additional ecological infor-

mation

: There is no data available for this product.

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

#### 13.1 Waste treatment methods

Product : In accordance with the EWC Waste Regulation the classifica-

tion of waste is to be assigned to the jurisdiction of the origin of waste. Therefore, it is not possible to assign a particular

waste identification number.

Completely emptied packagings may be given for recycling. Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor. Sika has agreed disposal contracts for all packaging which is

brought into circulation in Germany. For further details see www.sika.de

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

**ADR** 

Not dangerous goods

**IATA** 

Not dangerous goods

**IMDG** 

Not dangerous goods

### 14.6 Special precautions for user

No data available

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

according to Regulation (EC) No. 1907/2006

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

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

Prohibition/Restriction

REACH - Restrictions on the manufacture, placing on

the market and use of certain dangerous substances,

preparations and articles (Annex XVII)

REACH - Candidate List of Substances of Very High :

Concern for Authorisation (Article 59).

REACH - List of substances subject to authorisation

(Annex XIV)

**REACH Information:** 

: None of the components are listed

(=> 0.1 %).

: Not applicable

: Not applicable

All substances contained in our Products are

- preregistered or registered by our upstream suppliers, and/or

preregistered or registered by us, and/or
excluded from the regulation, and/or
exempted from the registration.

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

Water contaminating class

(Germany)

: WGK 1 slightly water endangering

VOC-CH (VOCV) : no VOC duties

VOC-EU (solvent) : Not applicable

### 15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

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

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

| H301  | l oxic it swa | allowed.         |
|-------|---------------|------------------|
| H310  | Fatal in cor  | ntact with skin. |
| 11011 | _             |                  |

H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H331 Toxic if inhaled.

H360D May damage the unborn child. H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.H412 Harmful to aquatic life with long lasting effects.

## Full text of other abbreviations

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Acute Tox.

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Acute toxicity

Acute aquatic toxicity Aquatic Acute Chronic aquatic toxicity Aquatic Chronic Serious eye damage Eye Dam. Repr. Reproductive toxicity Skin Corr. Skin corrosion Skin Sens. Skin sensitisation

**ADR** Accord européen relatif au transport international des marchandises

Dangereuses par Route

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

EC50 Half maximal effective concentration Globally Harmonized System GHS

International Air Transport Association IATA

International Maritime Code for Dangerous Goods **IMDG** 

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)

Median lethal concentration (concentrations of the chemical in air that

LC50

kills 50% of the test animals during the observation period)

International Convention for the Prevention of Pollution from Ships, **MARPOL** 

1973 as modified by the Protocol of 1978

Occupational Exposure Limit **OEL** 

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

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

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

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!