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## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 5.1 Revision Date 11.1.2024

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GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

#### 1.1 Product identifiers

Product name : SUR-TIN Part 2

Product Number : 74130

Brand : SURTIN

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No. : 7488-55-3

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

Company : Bungard Elektronik GmbH & Co. KG  
Rilkestraße 1  
D-51570 Windeck

Telephone : +49 2292 5036 : +49

Fax : 2292 6175 :

E-mail address : [info@bungard.de](mailto:info@bungard.de)

#### 1.4 Emergency telephone number

Emergency Phone # : Medical Emergency information in case of poisoning: Poison Information Center  
Mainz – 24h – Phone: +49 6131 19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Inhalation (Category 4), H332

Skin irritation (Category 2), H315

Eye irritation (Category 2), H319

Skin sensitisation (Category 1), H317

Germ cell mutagenicity (Category 2), H341

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

Specific target organ toxicity - repeated exposure (Category 2), H373

Chronic aquatic toxicity (Category 1), H410

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

##### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xi, Xn, Irritant, Harmful, Dangerous R20, R36/37/38, R43, R50/53, R68, R48/22

N for the environment

For the full text of the R-phrases mentioned in this Section, see Section 16.

#### 2.2 Label elements

##### Labelling according Regulation (EC) No 1272/2008

Pictogram



|                                |  |
|--------------------------------|--|
| Signal word                    | Warning  |
| Hazard statement(s)            |  |
| H315                           | Causes skin irritation.  |
| H317                           | May cause an allergic skin reaction.   |
| H319                           | Causes serious eye irritation.   |
| H332                           | Harmful if inhaled.  |
| H335                           | May cause respiratory irritation.  |
| H341                           | Suspected of causing genetic defects.  |
| H373                           | May cause damage to organs through prolonged or repeated exposure.   |
| H410                           | Very toxic to aquatic life with long lasting effects.  |
| Precautionary statement(s)     |  |
| P261                           | Avoid breathing dust.  |
| P273                           | Avoid release to the environment.  |
| P280                           | Wear protective gloves.  |
| 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 an approved waste disposal plant.  |
| Supplemental Hazard Statements | none   |

## 2.3 Other hazards - none

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

|                  |   |                    |
|------------------|---|--------------------|
| Synonyms         | : | Stannous sulfate   |
| Formula          | : | O <sub>4</sub> SSn |
| Molecular Weight | : | 214,75 g/mol       |
| CAS-No.          | : | 7488-55-3          |
| EC-No.           | : | 231-302-2          |

#### Hazardous ingredients according to Regulation (EC) No 1272/2008

| Component                             | Classification   | Concentration |
|---------------------------------------|--|---------------|
| <b>Tin sulphate</b>                   |  |               |
| CAS-No. 7488-55-3<br>EC-No. 231-302-2 | Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Muta. 2; STOT SE 3; STOT RE 2; Aquatic Chronic 1; H315, H317, H319, H332, H335, H341, H361d, H373, H410 | 50 - 100 %    |

#### Hazardous ingredients according to Directive 1999/45/EC

| Component                             | Classification   | Concentration |
|---------------------------------------|--|---------------|
| <b>Tin sulphate</b>                   |  |               |
| CAS-No. 7488-55-3<br>EC-No. 231-302-2 | Xi, Xn, N, R20 - R36/37/38 - R43 - R50/53 - R68 - R48/22 | 50 - 100 %    |

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

**If inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In case of skin contact**

Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Sulphur oxides, Tin/tin oxides

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information**

no data available

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.  
For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

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

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.  
Provide appropriate exhaust ventilation at places where dust is formed.  
For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Moisture sensitive.

**7.3 Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

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## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Components with workplace control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

##### Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

##### Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- |  |   |
|--|---|
| a) Appearance                              | Form: powder<br>Colour: white, light yellow       |
| b) Odour                                   | odourless   |
| c) Odour Threshold                         | no data available                                 |
| d) pH                                      | no data available                                 |
| e) Melting point/freezing point            | Decomposes before melting.                        |
| f) Initial boiling point and boiling range | not applicable                                    |
| g) Flash point                             | not applicable                                    |
| h) Evaporation rate                        | not applicable                                    |
| i) Flammability (solid, gas)               | The product is not flammable.<br>explosive limits |
| j) Upper/lower flammability or             |   |

no data available

|    |  |                                 |
|----|--|---------------------------------|
| k) | Vapour pressure                        | no data available               |
| l) | Vapour density                         | no data available               |
| m) | Relative density                       | 4,15 g/cm <sup>3</sup> at 20 °C |
| n) | Water solubility                       | 188 g/l at 20 °C                |
| o) | Partition coefficient: n-octanol/water | no data available               |
| p) | Auto-ignition temperature              | no data available               |
| q) | Decomposition temperature              | 378 °C -                        |
| r) | Viscosity                              | no data available               |
| s) | Explosive properties                   | no data available               |
| t) | Oxidizing properties                   | no data available               |

## 9.2 Other safety information

no data available

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

no data available

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

no data available

### 10.4 Conditions to avoid

Avoid moisture.

### 10.5 Incompatible materials

Strong oxidizing agents Strong oxidizing agents

### 10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

no data available

LD50 Oral - rat - 2.207 mg/kg

LC50 Inhalation - rat - 4 h - > 2 mg/l

#### Skin corrosion/irritation

Skin - Human

Result: Skin irritation

#### Serious eye damage/eye irritation

no data available

#### Respiratory or skin sensitisation

#### Germ cell mutagenicity

In vitro tests showed mutagenic effects

#### Carcinogenicity

no data available

IARC: 1 - Group 1: Carcinogenic to humans (Sulfuric acid)

**Reproductive toxicity**

Suspected of damaging the unborn child.

**Specific target organ toxicity - single exposure**

Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**

May cause damage to organs through prolonged or repeated exposure. - Cardio-vascular system

**Aspiration hazard**

no data available

**Additional Information**

RTECS: Not available

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**SECTION 12: Ecological information**

**12.1 Toxicity**

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Information given is based on data on the components and the ecotoxicology of similar products.

Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - 99,5 mg/l - 48 h (OECD Test Guideline 202)

**12.2 Persistence and degradability**

The methods for determining biodegradability are not applicable to inorganic substances.

**12.3 Bioaccumulative potential**

Can accumulate in aquatic organisms.

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**12.6 Other adverse effects**

Very toxic to aquatic life with long lasting effects.

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**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**Product**

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

**Contaminated packaging**

Dispose of as unused product.

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**SECTION 14: Transport information**

**14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

**14.2 UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

**14.4 Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**14.5 Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**14.6 Special precautions for user**

no data available

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**SECTION 15: Regulatory information**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

no data available

**15.2 Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

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**SECTION 16: Other information****Full text of H-Statements referred to under sections 2 and 3.**

|                 |  |
|-----------------|--|
| Acute Tox.      | Acute toxicity   |
| Aquatic Chronic | Chronic aquatic toxicity   |
| Eye Irrit.      | Eye irritation   |
| H315            | Causes skin irritation.  |
| H317            | May cause an allergic skin reaction.                               |
| H319            | Causes serious eye irritation.                                     |
| H332            | Harmful if inhaled.  |
| H335            | May cause respiratory irritation.                                  |
| H341            | Suspected of causing genetic defects.                              |
| H361d           | Suspected of damaging the unborn child.                            |
| H373            | May cause damage to organs through prolonged or repeated exposure. |
| H410            | Very toxic to aquatic life with long lasting effects.              |
| Muta.           | Germ cell mutagenicity   |
| Skin Irrit.     | Skin irritation  |
| Skin Sens.      | Skin sensitisation   |
| STOT RE         | Specific target organ toxicity - repeated exposure                 |
| STOT SE         | Specific target organ toxicity - single exposure                   |

**Full text of R-phrases referred to under sections 2 and 3**

|           |  |
|-----------|--|
| N         | Dangerous for the environment  |
| Xi        | Irritant   |
| Xn        | Harmful  |
| R20       | Harmful by inhalation.   |
| R36/37/38 | Irritating to eyes, respiratory system and skin.   |
| R43       | May cause sensitisation by skin contact.   |
| R48/22    | Harmful: danger of serious damage to health by prolonged exposure if swallowed.                  |
| R50/53    | Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| R68       | Possible risk of irreversible effects.   |

**Further information**

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