

SAFETY DATA SHEET

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Stannous Chloride Anhydrous Powder

Revision No. 0

Revision Date

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name Stannous Chloride Anhydrous Powder

Company William Blythe Limited
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England
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2. COMPOSITION/INFORMATION ON INGREDIENTS

| Hazardous components | Conc. | CAS | EINECS | Risks |
|----------------------|------------|-----------|-----------|-------|
| Stannous Chloride | 99.5-100.0 | 7772-99-8 | 231-868-0 | C,R34 |

3. HAZARDS IDENTIFICATION

Most important hazards Causes burns. Reducing agent - keep away from Oxidising agents.

4. FIRST AID MEASURES

Skin contact Causes burns. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.

Eye contact Causes burns. At high concentrations product causes severe inflammation of conjunctiva and cornea. Obtain medical attention.

Inhalation Move to fresh air. Consult a physician after significant exposure.

Ingestion Ingestion causes burns of the upper digestive and respiratory tracts. Do NOT induce vomiting. If swallowed, seek medical advice immediately and show this container or label.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water. Dry powder. Foam. Carbon dioxide (CO₂).

Specific hazards Burning produces obnoxious and toxic fumes.

Special protective equipment for fire-fighters Wear self contained breathing apparatus for fire fighting if necessary.

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6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|---|
| Personal precautions | Avoid dust formation. Ensure adequate ventilation. Use personal protective equipment. |
| Environmental precautions | Do not let product enter drains. Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Do not create a powder cloud by using a brush or compressed air. Sweep up and shovel into suitable containers for disposal. Flush with plenty of water. |

7. HANDLING AND STORAGE

| | |
|-----------------|---|
| Handling | Avoid contact with skin and eyes. Ensure adequate ventilation or exhaust ventilation in the working area. Wear personal protective equipment. |
| Storage | Keep containers tightly closed in a dry, cool and well-ventilated place. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| | | | |
|---------------------------------|--|---|--|
| Exposure limit(s) | | | |
| Stannous Chloride | WEL 8-hr limit ppm: | WEL 8-hr limit mg/m ³ : 2.as Sn | |
| | WEL 15 min limit ppm: | WEL 15 min limit mg/m ³ : 4, as Sn | |
| Engineering measures | Ensure adequate ventilation, especially in confined areas. | | |
| Respiratory protection | Wear as appropriate:. Effective dust mask. | | |
| Hand protection | PVC or other plastic material gloves. | | |
| Eye protection | Goggles. | | |
| Skin and body protection | Wear chemical protective clothing. | | |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--------------------|---------|
| Description | Powder. |
| Colour | White. |
| Odour | Slight. |
| pH | acidic |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable under normal conditions. |
| Conditions to avoid | Heat. |
| Materials to avoid | Strong acids and oxidizing agents. Organic materials. |
| Hazardous decomposition products | Hydrogen chloride gas. |

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11. TOXICOLOGICAL INFORMATION

Toxicological information

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LD50/oral/rat = 700 mg/kg

| | |
|------------------------------|---|
| Acute toxicity | Inorganic tin compounds are poorly absorbed when ingested and consequently are of low toxicity. |
| Primary irritation | Causes burns. |
| mutagenic effects | Mutagenic effects. |
| Reproductive toxicity | Experiments have shown reproductive toxicity effects on laboratory animals. |

12. ECOLOGICAL INFORMATION

Ecotoxicity effects No data is available on the product itself.

13. DISPOSAL CONSIDERATIONS

General Information Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

ADR/RID

| | |
|---|--------------------------|
| UN-No 3260 | Packing group III |
| Class 8 | Hazard ID 80 |
| Proper shipping name CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S. | |


IMDG-Code

| | |
|--------------------|---------------------------|
| UN-No 3260 | Packing group III |
| Class 8 | Marine pollutant . |
| EmS F-A S-B | |

IATA-DGR

| | |
|--|--------------------------------|
| UN-No 3260 | Packing group III |
| Class 8 | Sub-risks - |
| Packing instruction 823 (cargo aircraft) | Maximum quantity 100 kg |
| Packing instruction 822 (passenger aircraft) | Maximum quantity 25 kg |

15. REGULATORY INFORMATION

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|---------------------|--|
| Labelling | The product is classified and labelled in accordance with Directive 1999/45/EC. The product is classified in accordance with Annex VI to Directive 67/548/EEC. |
| Symbol(s) | C - Corrosive  |
| R-phrases(s) | R34 - Causes burns. |
| S-phrases(s) | S37/39 - Wear suitable gloves and eye/face protection. S46 - If swallowed, seek medical advice immediately and show this container or label. |

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16. OTHER INFORMATION

Text of R phrases mentioned in Section 2 R34 - Causes burns.

Further information The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of key data used to compile the datasheet Dangerous Properties of Industrial Materials 8th Edition: Sax/Lewis. Dictionary of Substances and their Effects 1992 : Richardson/Gangoli. EH 40 and related documents. Register of Toxic Effects of Chemical Substances. Sources of key data used to compile the datasheet. The CHIP Regulations 2002 and related ACOP's.