

**MATERIAL SAFETY DATA SHEET****Product Name:** Stannous chloride**CAS No.:** 7772-99-8**Version:** 0**1. Identification**

**Product Code** : 91825  
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**2. Hazards Identification****Hazard classification**

Acute toxicity, Inhalation : Category 4  
Skin corrosion : Category 1B  
Skin sensitisation : Category 1  
Germ cell mutagenicity : Category 2  
Reproductive toxicity : Category 2  
Specific target organ toxicity - single exposure : Category 3  
Specific target organ toxicity - repeated exposure, Oral : Category 2  
Chronic aquatic toxicity : Category 1

**Label elements****Hazard symbol****Signal word****Hazard statement**

: Danger  
: Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.  
Harmful if inhaled.  
May cause respiratory irritation.  
Suspected of causing genetic defects.  
Suspected of damaging fertility or the unborn child.  
May cause damage to organs (Cardio-vascular system) through prolonged or repeated exposure if swallowed.  
Very toxic to aquatic life with long lasting effects.

**Precautionary statement**

: Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
Wear protective gloves/ protective clothing/ eye protection/

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face protection.

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Supplemental Hazard Statements** : None**3. Composition/information on ingredients**

<b>Ingredient</b>	<b>CAS No</b>	<b>PERCENT</b>
Stannous chloride	7772-99-8	NLT 98.0%

**4. First Aid Measures****Description of first aid measures****General advice**

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

**Inhalation**

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

**Skin contact**

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

**Eye contact**

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

**Swallowed**

: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**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

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

: No data available

**5. Fire fighting measures****Extinguishing media****Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or

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- Special hazards arising from the substance or mixture** : carbon dioxide.  
Hydrogen chloride gas, Tin/tin oxides
- Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary
- Further information** : No data available

**6. Accidental Release Measures**

- 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.
- 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.
- 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.
- Reference to other sections** : For disposal see section 13.

**7. Handling and Storage**

- 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.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
- Specific end use(s)** : No data available

**8. Exposure Controls Personal Protection****Control parameters****Components with workplace control parameters****Exposure controls**

- Appropriate engineering controls** : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

**Personal protective equipment****Eye/face protection**

- : Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin Protection Hand**

- : Handle with gloves. Gloves must be inspected prior to use. Use

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- protection** : 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.
- 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** : Respiratory protection is required.

**9. Physical and Chemical Properties**

- Appearance** : A White powder.
- Odor** : No data available
- pH** : < 1 at 50 g/l
- Melting point/freezing point** : 246 °C - lit.
- Initial boiling point and boiling range** : 652 °C - lit.
- Flash Point** : No data available
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : 3.950 g/cm<sup>3</sup>
- Solubility in water** : 1.780 g/l at 10 °C - soluble
- Solubility (other)** : No data available
- Formula** : SnCl<sub>2</sub>
- Molecular Weight** : 189.62g/mol

**10. Stability and Reactivity**

- Reactivity** : No data available
- Chemical stability** : Stable under recommended storage conditions.
- Possibility of hazardous reactions** : No data available
- Conditions to avoid** : Avoid moisture.
- Incompatible materials** : Strong bases, Strong oxidizing agents, Sodium/sodium oxides, Potassium, Hydrogen peroxide, Bromine trifluoride, Hydrazine, Halides, Strong reducing agents, calcium acetylde
- Hazardous decomposition products** : No data available

**11. Toxicological Information****Information on toxicological effects**

- Acute toxicity** : No data available

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- Skin corrosion/irritation** : Causes skin burns.
- Serious eye damage/eye irritation** : Severe eye irritation
- Respiratory or skin sensitization** : May cause sensitisation by skin contact.
- Germ cell mutagenicity** : In vitro tests showed mutagenic effects
- Carcinogenicity** : No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
- Reproductive toxicity** : No data available
- Specific target organ toxicity - single exposure** : May cause respiratory irritation.
- Specific target organ toxicity - repeated exposure** : Oral - May cause damage to organs through prolonged or repeated exposure. - Cardio-vascular system
- Aspiration hazard** : No data available
- Signs and Symptoms of Exposure** : No data available

### 12. Ecological Information

- Toxicity** : Toxicity to fish EC10 - Oncorhynchus mykiss (rainbow trout) - 0,076 mg/l - 27 d
- Persistence and degradability** : The methods for determining the biological degradability are not applicable to inorganic substances.
- Bioaccumulative potential** : No data available.
- Mobility in soil** : No data available.
- Other adverse effects** : Very toxic to aquatic life with long lasting effects.

### 13. Disposal consideration

- Disposal instructions** : 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.

### 14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>	3260	Tin dichloride	8	III	NO

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<b>IMDG</b>	3260	Tin dichloride	8	III	NO
<b>IATA</b>	3260	Tin dichloride	8	III	NO

**15. Regulatory Information**

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

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

**16. Other Information****Issue Date :01/08/2014****Version : 0**

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