



HAZTECH
SYSTEMS,™
INC.

Material Safety Data Sheet



HMIS

| | |
|---------------|---|
| Health Hazard | 3 |
| Fire Hazard | 0 |
| Reactivity | 0 |



PPE (See Section 15)

Section 1. Chemical Product and Company Identification

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Trade Name **Arsenic Test 2** Part # RE2009

Manufacturer HazTech Systems, Inc.
PO Box 929
Mariposa, CA 95338 CAS # 10025-69-1

Commercial Name Stannous chloride RTECS XP8850000

Synonyms CI # TSCA TSCA8(b) inventory:
Stannous chloride

Chemical Formula $\text{SnCl}_2 \cdot 2\text{H}_2\text{O}$

Supplier Spectrum Chemical Mfg. Corp.
14422 S. San Pedro St.
Gardena, CA 90248

In case of emergency contact CHEMTREC
(24 hours) at 800-424-9300

HazTech Systems, Inc. 800-543-5487

Spectrum Chemical Mfg. Corp. 310-516-8000

Section 2. Composition and Information on Ingredients

| Name | CAS # | Exposure Limits | | | % by Weight |
|-------------------|------------|-----------------|------|--------------|-------------|
| | | TWA (mg/m3) | STEL | CEIL (mg/m3) | |
| Stannous chloride | 10025-69-1 | 1 | | 2 | 100% |

Toxicological Data on Ingredients Stannous chloride: ORAL (LD50): Acute: 700 mg/kg (Rat).

Section 3. Hazards Identification

Potential Acute Health Effects Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Corrosive to eyes and skin. The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death.

Potential Chronic Health Effects Very hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Hazardous in case of skin contact (sensitizer). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degree of respiratory irritation or lung damage. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.



Arsenic Test 2

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Section 4. First Aid Measures

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| Eye Contact | Check for and remove any contact lenses. Do not use an eye ointment. Seek medical attention. |
| Skin Contact | If the chemical got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the victim under a deluge shower. If the chemical got on the victim's exposed skin, such as the hands : Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. If irritation persists, seek medical attention. Wash contaminated clothing before reusing. |
| Inhalation | Allow the victim to rest in a well ventilated area. Seek immediate medical attention. |
| Ingestion | Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. |

Section 5. Fire and Explosion Data

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| Flammability | Non-flammable. |
| Auto-Ignition Temperature | Not applicable. |
| Flash Point | Not applicable. |
| Flammable Limits | Not applicable. |
| Products of Combustion | Not applicable. |
| Fire Hazards in Presence of Various Substances | Not applicable. |
| Explosion Hazards in Presence of Various Substances | Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. |
| Fire Fighting Media and Instructions | Not applicable. |
| Special Remarks on Fire Hazards | Not applicable. |

Section 6. Accidental Release Measures

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| Small Spill | Use appropriate tools to put the spilled solid in a convenient waste disposal container. |
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Section 7. Handling and Storage

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| Precautions | Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes |
| Storage | Keep in HazCat Kit. |

Section 8. Exposure Controls/Personal Protection

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| Engineering Controls | Use in a well ventilated area. |
| Personal Protection | Gloves and goggles. |

**Section 9. Physical and Chemical Properties**

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|-------------------------------|------------------|------------------------|---------------|
| Physical State and Appearance | White solid | Volatility | Not available |
| Molecular Weight | 225.63 g/mole | Odor Threshold | Not available |
| pH (1% Solution in Water) | Not available | Water/Oil Dist. Coeff. | Not available |
| Boiling Point | Decomposes | Ionicity (in Water) | Not available |
| Melting Point | 37.5°C (99.5°F) | Dispersion Properties | Not available |
| Critical Temperature | Not available | Solubility | Not available |
| Specific Gravity | Not available | Odor | Not available |
| Vapor Pressure | Not available | Taste | Not available |
| Vapor Density | 2.71 (Water = 1) | Color | White |

Section 10. Stability and Reactivity Data

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|---|--------------------|--------------------------------|---|
| Stability | Product is stable. | Corrosivity | Corrosive in presence of aluminum. Non-corrosive in presence of glass. |
| Instability Temperature | Not available. | Special Remarks on Corrosivity | Not available. |
| Conditions of Instability | Not available. | Polymerization | Will not polymerize. |
| Incompatibility with Various Substances | Not available. | | |

Section 11. Toxicological Information

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| Route of Entry | Eye contact. Inhalation. Ingestion. |
| Toxicity to Animals | Acute oral toxicity (LD50): 700 mg/kg (Rat). |
| Chronic Effects on Humans | The substance is toxic to lungs, mucous membranes. |
| Other Toxic Effects on Humans | Hazardous in case of skin contact (irritant), of ingestion, of inhalation. |
| Special Remarks on Toxicity to Animals | Not available. |
| Special Remarks on Chronic Effects on Humans | Not available. |
| Special Remarks on Other Toxic Effects on Humans | Not available. |

Section 12. Ecological Information

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|---|---|
| Ecotoxicity | Not available. |
| BOD5 and COD | Not available. |
| Products of Biodegradation | Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. |
| Toxicity of the Products of Biodegradation | The products of degradation are more toxic. |
| Special Remarks on the Products of Biodegradation | Not available. |

