

## ANTIMONY TRICHLORIDE MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product form : Substance  
CAS No : 10025-91-9  
Product code : 50027, A-50027

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

##### 1.2.1. Relevant identified uses

Industrial/professional use spec : Industrial  
For professional use only  
Use of the substance/mixture : Laboratory Reagent

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the manufacturer of the safety data sheet

Techno Pharmchem  
Plot No.1022, Modern Industrial Estate,  
Bahadurgarh-124507, India  
T +91 11 23646422  
info@technopharmchem.com

#### 1.4. Emergency telephone number

Emergency number: +91 11 23646422 (9:30am – 5.30pm)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008[CLP]

Skin corrosion/irritation, H314

Category 1B

Hazardous to the aquatic H411

environment — Chronic

Hazard, Category 2

Full text of classification categories and H statements: see section 16

Classification according to directive 67/548/EEC or 1999/45/EC

C; R34

N; R51/53

Full text of R-phrases: see section 16

#### Adverse physicochemical, human health and environmental effects

No additional information available



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## 2.2. Label elements

Labeling according to regulation (EC) No. 1272/2008 [CLP]

Signal word (CLP)	:	Danger
Hazard statements (CLP)	:	H314 – Causes skin burns and eye damage H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (CLP)	:	P273 - Avoid release to the environment P280 - Wear protective gloves, protective clothing, eye protection, face protection P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a doctor.

## 2.3. Other hazards

No additional information available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Name	:	ANTIMONY TRICHLORIDE
CAS No	:	10025-91-9
Full text of R- and H-phrases:	see section 16	

### 3.2. Mixtures

Not applicable

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

First – aid measures after inhalation	:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a doctor /physician.
First-aid measures after skin contact	:	Remove/Take off immediately all contaminated clothing. Get immediate medical advice/attention. Wash with plenty of soap and water.
First-aid measures after eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician.
First – aid measures after ingestion	:	Rinse mouth. Do not induce vomiting. Immediately call a doctor/physician.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	:	Causes skin burns and eye damage.
Symptoms/injuries after eye contact	:	Causes serious eye damage.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. foam. water spray.  
Unsuitable extinguishing media : Do not use a heavy water steam.

### 5.2. Special hazards arising from the substance or mixture

No additional information available

### 5.3. Advice for firefighters

- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such clay or Diatomaceous earth as soon as possible. On land , sweep or shovel into suitable containers.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours. Provide good ventilation in process area to prevent formation of vapour.  
Hygiene measures : Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any compatibilities

- Storage conditions : Store in a well – ventilated place. Keep container tightly closed.



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### 7.3. Specific end use (S)

No additional information available

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Hand protection	:	Protective gloves
Eye protection	:	Chemical goggles or face shield
Skin and body protection	:	Wear suitable protective clothing
Respiratory protection	:	Wear respiratory protection.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Color	:	white crystalline
Odor	:	pungent odour
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting Point	:	72 - 74°C
Freezing point	:	No data available
Boiling point	:	283°C
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (Solid, gas)	:	No data available
Vapor pressure	:	0.28 hPa at 20 °C
Relative vapor density at 20°C	:	7.9
Relative density	:	No data available
Density	:	3.14 g/cm <sup>3</sup>
Solubility	:	Water: Soluble in water
Log pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

### 9.2. Other information

No additional information available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

No additional information available

### 10.2. Chemical Stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Thermal decomposition generates: Corrosive vapours.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity	:	Not classified
Skin corrosion/irritation	:	Causes skin burns and eye damage
Serious eye damage/irritation	:	Serious eye damage, category 1, implicit
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
Specific target organ toxicity (single exposure)	:	Not classified
Specific target organ toxicity (repeated exposure)	:	Not classified
Aspiration hazard	:	Not classified

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

No additional information available

### 12.2. Persistence and degradability

#### ANTIMONY TRICHLORIDE (CAS No. 10025-91-9)

Persistence and degradability	May cause long-term adverse effects in the environment
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### 12.3. Bio accumulative potential

No additional information available



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#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT AND vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Product/packaging disposal recommendations : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### SECTION 14: TRANSPORT INFORMATION

#### 14.1. UN Number

ADR/RID: - 1733                      IMDG: - 1733                      IATA: - 1733

#### 14.2. UN proper shipping name

ADR/RID : ANTIMONY TRICHLORIDE  
IMDG : ANTIMONY TRICHLORIDE  
IATA : Antimony Trichloride

#### 14.3. Transport hazard class (es)

ADR/RID: - 8                      IMDG: - 8                      IATA: - 8

#### 14.4. Packaging group

ADR/RID: - II                      IMDG: - II                      IATA: - II

#### 14.5. Environmental hazards

ADR/RID: yes                      IMDG Marine pollutant: yes                      IATA: no

#### 14.6. Special precautions for user

No data available

### SECTION 15: REGULATORY INFORMATION

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

Ensure all local, regional, national and/or international regulations are observed.

#### 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.**

- H314 Causes skin burns and eye damage.  
H411 Toxic to aquatic life with long lasting effects.  
Skin Corr. Skin corrosion

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.