



## **SAFETY DATA SHEET**

### **1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY**

Catalogue No. : A 17017

Product Name : Antimony trichloride

#### Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India

Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

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### **2. COMPOSITION / INFORMATION ON INGREDIENTS**

Synonyms : antimony (III) chloride

CAS-No : 10025-91-9

Molecular formula :  $\text{Cl}_3\text{Sb}$ .

EC-No. : 233-047-2

Molar mass : 228.11

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**3. HAZARDS IDENTIFICATION :** Causes burns. Irritating to respiratory system.

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### **4. FIRST AID MEASURES**

After skin contact : wash off with plenty of water . remove contaminated clothing

After eye contact : rinse out with plenty of water with eyelids held open .

Summon eye specialist.

After swallowing : summon doctor . Make victim drink plenty of water. Avoid vomiting.

Immediately summon doctor. do not attempt to neutralize

After inhalation: fresh air. Summon doctor



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### **5. FIRE – FIGHTING MEASURES**

Suitable extinguishing media : water, powder, carbon dioxide.

Special risks : Do not allow to come into contact with water. Development of hazardous combustion gases or vapours possible in the event of fire.

The following may develop in the event of fire: chlorine,HCl.

Other information: Non combustible.

Special protective equipment for fire fighting: Do not stay in dangerous zone without self contained breathing apparatus.

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### **6.ACCIDENTAL RELEASE MEASURES**

Procedures for cleaning / absorption :

take up dry. Forward for disposal. Cleanup affected area.

Person related precautionary measures: Avoid generation of dusts. Do not inhale dusts.

Environmental protection: Do not allow to enter sewage System

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### **7. HANDLING AND STORAGE**

Handling : No further requirements.

Storage : Tightly closed . Dry. Storage temperature: no restrictions

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### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Personal protective equipment

Respiratory protection : required when dusts are generated .

Eye protection : required

Hand protection : required



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Industrial hygiene : Change contaminated clothing . Wash hands after working with substance .

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid  
Colour : colourless  
Odour : acidic  
Melting temperature: 73 ° C  
Boiling temperature : 233 ° C  
PHvalue : acid  
Ignition temperature: Not available  
Flash point : not applicable  
Explosion limits lower : Not available  
Upper : Not available  
Relative vapour density : Not available  
Density (20° C ) : 3.14g/cm<sup>3</sup>  
Solubility in  
water( 20<sup>0</sup>C) : 931 g/l  
ethanol ( 20<sup>0</sup>C) : soluble

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available

Substance to be avoided : aluminium, fluorine, alkali metals, perchloric acid.

Hazardous decomposition products : The following may develop in the event of fire: chlorine, hydrochloric acid



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Further information: hygroscopic.

Unsuitable working materials: various plastics, various metals.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity: LD<sub>50</sub> (oral, rat): 525 mg/Kg

Further toxicological information

After inhalation: Irritation symptoms in the respiratory tract.

After swallowing: damage in the gastrointestinal tract.

After eye contact: burns, mucosal irritations.

After skin contact: burns

The following applies to trivalent antimony compounds in general: after uptake and absorption as a result of misuse or improper handling. Drop in blood pressure, hepatotoxic effect, in some cases myalgia, dyspnoea, dermatitis.

Further data: The product should be handled with the care usual when dealing with chemicals.

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects: Biologic effects: toxic for aquatic organisms.

Daphnia toxicity: Daphnia magna EC<sub>0</sub> : 37mg/l

Fish toxicity: P.promelas LC<sub>10</sub> : 9mg/l/96h;

Further ecologic data: Product reacts with water. The following may develop after reaction of the product with water: HCl.

Do not allow to enter waters, waste waters or soil.

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### 13. DISPOSAL METHOD

**Product :** There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

**Packaging :** Disposal in compliance with official Regulations. Handle contaminated packaging as in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled

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### 14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class:8 Number and letter:11b

ADR/RID class :8 Number and letter:11b

Name of material : ANTIMONY TRICHLORIDE

River transport AND/ADNR: Not examined

Sea transport IMDG : IMDG class:8 UN –No.:1733 Packaging group: II

Ems :8-06 MFAG: 130

Correct technical name: ANTIMONY TRICHLORIDE



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Air transport

ICAO-TI and IATA-DGR:

ICAO/IATA class: 8

UN/ID-No.:1733 Packaging group: II

Correct technical name: ANTIMONY TRICHLORIDE

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : C Corrosive

R- Phrases : 34-37 Causes burns. Irritating to respiratory system.

S-phrases : 26-45 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice. In case of accident or if you feel unwell, seek medical advice immediately

Water pollution class : 2 (polluting)

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### 16. OTHER INFORMATION

Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions . It does not represent a guarantee of the properties of the product.

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