



## Section 1 - Chemical Product and Company Identification

**Product Name** Antimony Potassium Tartrate Hemihydrate pure, 98%  
**Product Code** 47448  
**CAS No** 28300-74-5  
**Use for** Laboratory Chemicals.  
**Company Name** Sisco Research Laboratories Pvt. Ltd.  
**Address** 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,  
Andheri (E), Mumbai - 400 099, India

## Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
28300-74-5	Dipotassium bis[μ-[tartrato(4-)-o1,o2:o3,o4]] diantimonate(2-) trihydrate	<=100	234-293-3

## Section 3 - Hazards Identification

### Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Inhalation (Category 4) Acute toxicity, Oral  
(Category 4) Chronic aquatic toxicity (Category 2)

#### Classification according to EU Directives 67/548/EEC or 1999/45/EC

Harmful by inhalation and if swallowed. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Label elements Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram

Signal word Warning Hazard  
statement(s) Harmful if swallowed.

Harmful if inhaled.

Toxic to aquatic life with long lasting effects. Precautionary  
statement(s)

Avoid release to the environment. Supplemental

Hazard

Statements none

#### According to European Directive 67/548/EEC as amended.

Hazard symbol(s) R-phrases(s)

R20/22 Harmful by inhalation and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s)

S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

## Section 4 - First Aid Measures



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**Description of first aid measures**

**General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance .If

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

**In case of skin contact** : Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**In case of eye contact** : Flush eyes with water as a precaution.

**If swallowed** : 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**

Potassium antimony tartrate is the most potent trivalent antimony compound. Trivalent antimony compounds are more toxic than the pentavalent because they are excreted slowly., Gastrointestinal disturbance, Headache, Dizziness, Weakness, Kidney injury may occur. **Indication of any immediate medical attention and special treatment needed**

no data available

## Section 5 - Fire Fighting Measures

**Extinguishing media Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Carbon oxides, Potassium oxides, Antimony oxide

**Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6 - Accidental Release Measures

**Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. **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.

**6.3 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.

## Section 7 - Handling and Storage

**Handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## Section 8 - Exposure Control / Personal Protection



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### Exposure controls

#### Personal protection

Personal protection : Avoid all unnecessary exposure.

- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Others : When using, do not eat, drink or smoke.

### Control parameters

**Occupational Exposure Limits** : No data available. contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. **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** : Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Section 9 - Physical and Chemical Properties

**Form**: Powder

**Colour**: white

**Flash point** : no data available

## Section 10 - Stability and Reactivity

**Reactivity** : no data available **Chemical stability** : no data available **Conditions to avoid** : no data available

**Incompatible materials** : Mineral acids, Strong bases, Carbonates, Lead, Silver salts, Strong oxidizing agents

**Hazardous decomposition products** : Other decomposition products - no data available

## Section 11 - Toxicological Information



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**Acute toxicity**

LD50 Oral - rat - 115 mg/kg **Skin**

**corrosion/irritation** no data available

**absorption**

Symptoms: pain in: , mouth, oesophagus, gastrointestinal tract

**Acute inhalation toxicity absorption**

**Acute toxicity estimate: 1.6 mg/l; dust/mist**

**Expert judgment**

**Acute dermal toxicity**

This information is not available.

**Skin irritation**

Possible damages: slight irritation Dermatitis

**Eye irritation**

Possible damages: slight irritation

**Sensitisation**

This information is not available. **Germ cell**

**mutagenicity** Genotoxicity in vitro

**Ames test**

**Salmonella typhimurium**

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Health hazards : Acute toxicity, Oral - Category 4 - Warning

Acute toxicity, Inhalation - Category 4 - Warning.Environmental hazards : Hazardous to the aquatic environment - Chronic hazard - Category 4 (CLP : Aquatic Chronic 4)

## Section 12 - Ecological Information

**Toxicity**

Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 37 mg/l - 4 d Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 5 mg/l - 48 h other aquatic invertebrates

**Bioaccumulative potential**

Bioaccumulation Oncorhynchus mykiss (rainbow trout) - 30 d -12 mg/l

Bioconcentration factor (BCF): 3,4

**Other adverse effects** : Toxic to aquatic life.

## Section 13 - Disposal Considerations

**Waste treatment methods**

**Product** : Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging** : Dispose of as unused product.

## Section 14 - Transport Information

IATA	IMO	RID/ADR	
<b>Shipping Name: Hazard Class:</b>	ANTIMONY POTASSIUM TARTRATE 6.1		ANTIMONY
POTASSIUM TARTRATE 6.1	ANTIMONY POTASSIUM TARTRATE 6.1		
<b>UN Number: Packing Group:</b>	1551 III	1551 III	1551 III



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## Section 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  
**Chemical Safety Assessment** : no data available

## Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation 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. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.