

**MATERIAL SAFETY DATA SHEET (MSDS)****ANTIMONY TRIOXIDE LR****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Trade name : ANTIMONY TRIOXIDE LR

Product code : A0031500500

Identification of the product : Antimony trioxide  
CAS No :1309-64-4  
EC No :215-175-0  
Annex No :051-005-00-X**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Use : Industrial. For professional use only.

**1.3. Details of the supplier of the safety data sheet**Company identification : SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com**1.4. Emergency telephone number**

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

**2. Hazards identification -DSD****2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

Classification : Carc. Cat. 3; R40

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

Health hazards : Carcinogenicity - Category 2 - Warning (CLP : Carc. 2) H351

**2.2. Label elements****Labelling EC 67/548 or EC 1999/45**

## MATERIAL SAFETY DATA SHEET (MSDS)

### ANTIMONY TRIOXIDE LR

#### 2. Hazards identification -DSD (continued)

Symbol(s)



Symbol(s)

: Xn : Harmful

R Phrase(s)

: R40 : Limited evidence of a carcinogenic effect.

S Phrase(s)

: S2 : Keep out of the reach of children.  
S22 : Do not breathe dust.  
S36/37 : Wear suitable protective clothing and gloves.

Contains

: Antimony trioxide

#### Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms



Signal words

: Warning

Hazard statements

: H351 : Suspected of causing cancer.

Precautionary statements

• General

: P102: Keep out of reach of children.  
P103: Read label before use.  
P101: If medical advice is needed, have product container or label at hand.  
P201: Obtain special instructions before use.

• Prevention

: P281: Use personal protective equipment as required.

• Response

: P308+P313: If exposed or concerned : get medical advice.

• Storage

: P405: Store locked up.

• Disposal considerations

: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Contains

: Antimony trioxide

#### 2.3. Other hazards

Other hazards

: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

#### 3. Composition/information on ingredients

Substance / Preparation

: Antimony trioxide  
CAS No :1309-64-4  
EC No :215-175-0  
Annex No :051-005-00-X  
Substance.

## MATERIAL SAFETY DATA SHEET (MSDS)

### ANTIMONY TRIOXIDE LR

#### 3. Composition/information on ingredients (continued)

Substance name	Contents	CAS No	EC No	Annex No	REACH Ref.	Classification
Antimony trioxide	100 %	1309-64-4	215-175-0	051-005-00-X	---	Carc. Cat. 3; R40 Carc. 2 _ H351

Contains no other components or impurities which will influence the classification of the product.

#### 4. First aid measures

##### 4.1. Description of first aid measures

<b>Inhalation</b>	: Assure fresh air breathing. Allow the victim to rest.
<b>Skin contact</b>	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
<b>Eye contact</b>	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
<b>Ingestion</b>	: Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

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

**Symptoms relating to use** : Suspected of causing cancer.

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

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

#### 5. Fire-fighting measures

##### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
<b>Unsuitable extinguishing media</b>	: Do not use a heavy water stream.
<b>Surrounding fires</b>	: Use water spray or fog for cooling exposed containers.

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

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

##### 5.3. Advice for fire-fighters

<b>Protection against fire</b>	: Do not enter fire area without proper protective equipment, including respiratory protection.
<b>Special procedures</b>	: Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## MATERIAL SAFETY DATA SHEET (MSDS)

### ANTIMONY TRIOXIDE LR

#### 6. Accidental release measures

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

**For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area.

**For non-emergency personnel** : Evacuate unnecessary personnel.

##### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

**Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust.  
Store away from other materials.

##### 6.4. Reference to other sections

See section 8. Exposure controls/personal protection

#### 7. Handling and storage

##### 7.1. Precautions for safe handling

**Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Obtain special instructions before use.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

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

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

##### 7.3. Specific end use(s)

**Specific end use(s)** : None.

#### 8. Exposure controls/personal protection

##### 8.1. Exposure controls

**Personal protection** : Avoid all unnecessary exposure.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**ANTIMONY TRIOXIDE LR**
**8. Exposure controls/personal protection (continued)**

- Respiratory protection : Wear approved mask.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or safety glasses.
- Others : When using, do not eat, drink or smoke.

**8.2. Control parameters**

Occupational Exposure Limits : No data available.

**9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state at 20 °C	: Solid.
Colour	: White crystalline
Odour	: N/A
Odour threshold	: No data available.
pH value	: Not applicable.
Melting point [°C]	: 655 °C
Decomposition point [°C]	: N/A
Critical temperature [°C]	: N/A
Auto-ignition temperature [°C]	: N/A
Flammability (solid, gas)	: N/A
Flash point [°C]	: N/A
Boiling point [°C]	: 14250C
Initial boiling point [°C]	: N/A
Final boiling point [°C]	: N/A
Evaporation rate	: N/A
Vapour pressure [20°C]	: N/A
Vapour pressure mm/Hg	: N/A
Vapour density	: N/A
Density [g/cm <sup>3</sup> ]	: 5,2
Relative density, gas (air=1)	: N/A
Relative density, liquid (water=1)	: N/A
Solubility in water [% weight]	: 0.0287 g/l at 20 °C
Solubility in water	: N/A
Log Pow octanol / water at 20°C	: No data available.
Solubility	: N/A
Viscosity at 40°C [mm <sup>2</sup> /s]	: N/A

**MATERIAL SAFETY DATA SHEET (MSDS)**
**ANTIMONY TRIOXIDE LR**
**9. Physical and chemical properties (continued)**
**9.2. Other information**

Explosive properties	: N/A
Explosion limits - upper [%]	: N/A
Explosion limits - lower [%]	: N/A
Oxidising properties	: No data available.

**10. Stability and reactivity**
**10.1. Reactivity**

Reactivity	: Not established.
------------	--------------------

**10.2. Chemical stability**

Chemical stability	: Stable under recommended storage conditions.
--------------------	--

**10.3. Possibility of hazardous reactions**

Hazardous reactions	: Not established.
---------------------	--------------------

**10.4. Conditions to avoid**

Conditions to avoid	: Direct sunlight. Extremely high or low temperatures.
---------------------	--

**10.5. Incompatible materials**

Materials to avoid	: Strong acids. Strong bases.
--------------------	-------------------------------

**10.6. Hazardous decomposition products**

Hazardous decomposition products	: Fumes. Carbon monoxide. Carbon dioxide.
----------------------------------	---

**11. Toxicological information**
**11.1. Information on toxicological effects**
**Acute toxicity**

• Inhalation	: Based on available data, the classification criteria are not met.
• Dermal	: Based on available data, the classification criteria are not met.
• Ingestion	: Based on available data, the classification criteria are not met.
<b>Corrosion</b>	: Based on available data, the classification criteria are not met.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**ANTIMONY TRIOXIDE LR**
**11. Toxicological information (continued)**

<b>Irritation</b>	: Based on available data, the classification criteria are not met.
<b>Sensitization</b>	: Based on available data, the classification criteria are not met.
<b>Mutagenicity</b>	: Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	: Suspected of causing cancer.
<b>Toxic for reproduction</b>	: Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	: Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure</b>	: Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	: Based on available data, the classification criteria are not met.

**12. Ecological information**
**12.1. Toxicity**

**Toxicity information** : Not established.

**12.2. Persistence - degradability**

**Persistence - degradability** : Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

**12.4. Mobility in soil**

**Mobility in soil** : Not established.

**12.5. Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**12.6. Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

**13. Disposal considerations**
**13.1. Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.  
 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### MATERIAL SAFETY DATA SHEET (MSDS)

### ANTIMONY TRIOXIDE LR

#### 14. Transport information

##### 14.1. Land transport (ADR-RID)

Proper shipping name : ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.  
UN N° : 1549  
H.I. nr : 60  
ADR - Class : 6.1  
Labelling - Transport : 6.1 : Toxic substances.



ADR - Classification code : T5  
ADR - Group : III  
ADR - Packing instructions : P002 R001 LP002  
ADR - Limited Quantity : 5 KG  
ADR - Tunnel code



: E : Passage forbidden through tunnels of category E.

##### 14.2. Sea transport (IMDG) [English only]

Proper shipping name : ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.  
UN N° : 1549  
IMO-IMDG - Class or division : 6.1 : Toxic substances.  
IMO-IMDG - Packing group : III  
IMO-IMDG - Packing instructions : P002 LP02  
IMO-IMDG - Limited quantities : 5 kg  
IMO-IMDG - Marine pollution : No  
EMS-Nr : F-A S-A

##### 14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : ANTIMONY COMPOUND, INORGANIC, SOLID, N.O.S.  
UN N° : 1549  
IATA - Class or division : 6.1 : Toxic substances.  
IATA - Packing group : III  
IATA - Passenger and Cargo Aircraft : ALLOWED  
- Passenger and Cargo - Packing instruction : 670

**MATERIAL SAFETY DATA SHEET (MSDS)**
**ANTIMONY TRIOXIDE LR**
**14. Transport information (continued)**

- Passenger and Cargo - Maximum Quantity/Packing	: 100 kg
IATA - Cargo only	: ALLOWED
- Cargo only - Packing instruction	: 677
- Cargo only - Maximum Quantity/Packing	: 200 kg
IATA - Limited Quantities	: 10 kg
ERG-Nr	: 6L

**15. Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Safety, health and environmental regulations/legislation specific for the substance or mixture	: Ensure all national/local regulations are observed.
REACH Restrictions - Annex XVII	: The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV	: The components of this product are not subject to authorization.

**15.2. Chemical Safety Assessment**

Chemical Safety Assessment	: It has not been carried out.
----------------------------	--------------------------------

**16. Other information**

Revision	: Revision - See : *
Abbreviations and acronyms	: PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative
Sources of key data used	: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
List of relevant R phrases (heading 3)	: R40 : Limited evidence of a carcinogenic effect.
List of full text of H-statements in section 3	: H351 : Suspected of causing cancer.
Further information	: None.

**MATERIAL SAFETY DATA SHEET (MSDS)**

**ANTIMONY TRIOXIDE LR**

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

**DISCLAIMER:**

- **SUVCHEM** Products are to be used as Lab Chemicals for R&D only. Not for drug, medicinal, household or other uses.
- **SUVCHEM** shall not be responsible for any damage resulting from handling or from contact with the above product.
- **SUVCHEM** 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.

**End of document**