

**MATERIAL SAFETY DATA SHEET**

<b>Product Name</b>	<b>ANTIMONY TRIOXIDE AR(Antimony (III) Oxide)</b>
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**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Trade name :** ANTIMONY TRIOXIDE AR

**Product code :** A0293

**Identification of the product:** ANTIMONY TRIOXIDE AR

**CAS No :** 1309-64-4

**1.2 Relevant identified uses of the substance or mixture and uses advised**

**againstUse:** Industrial. For professional use only.

**1.3 Details of the supplier of the safety data sheet**

**Company identification:** CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

**Email:** cynorlaboratories@gmail.com **Mobile No.:** +91 8799070507

**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 element**

**Labelling EC 67/548 or EC 1999/45**

**Symbol(s) :** Xn : Harmful



**R Phrase(s) :** R20/22 : Harmful by inhalation and if swallowed.

R40 : Limited evidence of a carcinogenic effect.

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

**S Phrase(s) :** S2 : Keep out of the reach of children.

S22 : Do not breathe dust.

S36/37 : Wear suitable protective clothing and gloves.

S61: Avoid release to the environment . refer to special instruction/safety data sheets.

**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

### **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

Substance.

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**

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.

**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion** : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

#### **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**

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

#### **5.2 Specific hazards arising from the substance or mixture**

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

#### **5.3 Advice for fire-fighters**

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

## **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**

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.

**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)**

No additional information available

## **8. Exposure controls/personal protection**

### **8.1 Control parameter**

**Occupational Exposure Limits :** No data available.

### **8.2 Exposure control**

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

• **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

## **9. Physical and chemical properties**

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

**Physical state at 20 °C :** Solid.

**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] : 1425° C  
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

#### 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.
- Corrosion : Based on available data, the classification criteria are not met.

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

## **14. Transport information**

In accordance with ADR / RID / IMDG / IATA / ADN

### **14.1 UN number**

UN-No. (ADR) : Not applicable UN-

No. (IMDG) : Not applicable UN-No.

(IATA) : Not applicable UN-No.

(ADN) : Not applicable UN-No.

(RID) : Not applicable 1

### **14.2 UN proper shipping name**

**Proper Shipping Name (ADR)** : Not applicable

**Proper Shipping Name (IMDG)** : Not applicable

**Proper Shipping Name (IATA)** : Not applicable

**Proper Shipping Name (ADN)** : Not applicable

**Proper Shipping Name (RID)** : Not applicable

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



CYNOR LABORATORY

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**ADR Transport hazard class(es) (ADR) :** Not applicable.  
**IMDG Transport hazard class(es) (IMDG) :** Not applicable  
**IATA Transport hazard class(es) (IATA) :** Not applicable  
**ADN Transport hazard class(es) (ADN) :** Not applicable RID

## **15. Regulatory information**

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

**Safety, health and environmental :** Ensure all national/local regulations are observed.  
**regulations/legislation specific for the substance or mixture**

**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**

**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

**Further information :** None.

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### **End of document**

**Prepared by:** CYNOR

**For questions contact:** CYNOR

**Office:** CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

**Email:** cynorlaboratories@gmail.com **Mobile No.:** +91 8799070507

(The statements contained herein are offered for informational purposes only and are based upon



**CYNOR LABORATORY**

**Address: National industry, Pipodra GIDC, Surat-394110, Gujarat, India.**

**Email: [cynorlaboratories@gmail.com](mailto:cynorlaboratories@gmail.com) Mobile No.: +91 8799070507**

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