

MATERIAL SAFETY DATA SHEET

ANTIMONY TRIOXIDE

COMPANY IDENTIFICATION:

Producer: Yiyang City Huachang Antimony Industry Co.,Ltd
Exporter: Yiyang City Huachang Antimony Industry (HK)Co.,Ltd
Tel: 86-737-2676590
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SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Name: Antimony trioxide

Chemical name: Antimony Trioxide

Chemical formula: Sb₂O₃

H.S.Code:28258000

Usage:1.Widely used as afire retardant in the membranes of plastic industry and the enclosures of electric devices and household electric appliances such as PVC ,PP, PE ,P S, ABS, PU, etc;
2.Used as filling, covering agents and retardants for rubber, ceramics, enamels, fabrics, and fiber products
3.Used as colors and retardants in oil paint and coating material industry;
4.Used as retardants in synthetic resin and paper;
5.Used as catalytic agent in organic synthesis.

SECTION 2: HEALTH HAZARD INFORMATION

Physical hazard: stable when dry

Acute hazard: No

SECTION 3: ELEMENTS DATA

Main elements and percentage: Sb₂O₃: 99.5%

CAS No: 1309-64-4

Impurities and percentage and CAS No:

| Impurities | Percentage | CAS No |
|------------|------------|-----------|
| As | 0.05%max | 744-38-2 |
| Pb | 0.08%max | 7439-92-1 |
| Fe | 0.002%max | |
| CL- | 0.05%max | |
| Sulphates | 0.05%max | |
| S | 0.02%max | |
| TAI: | 3.0%max | |

SECTION 4: EMERGENCY AND FIRST AID PROCEDURE:

After inhalation: breathe fresh air

After skin contact: wash off with water and soap

After eye contact: rinse with water

After swallowing: rinse with water, cause vomiting but only when conscious, see a doctor.

SECTION 5: FIRE AND EXPLOSION

Flash point(°C):N/A

Explosion: N/A

SECTION 6 : SPILL OR LEAK PROCEDURES

Step to be taken in case material is leaked or spilled

Moisten in order to avoid development of dust and then sweep the floor.

Waste disposal method: to be sent producer for further processing

SECTION 7: HANDLING AND STORAGE

Handling: avoid development of dust, efficiently suck of dust at the place of discharge.

Storage: at a cool and dry place.

SECTION 8: SPECIAL PROTECTION INFORMATION

Respiratory protection: protective masks

Hand protection: protective gloves

Eye protection: protective goggles

Other protective equipment: protective clothing

SECTION 9: PHYSICAL AND CHEMICAL DATA

Chemical Family: metal oxide

Appearance: white powder

Odor: no

Melting point:656°C

Boiling point:1570°C

Density: 5.6

Solubility: soluble in hydrochloric, insoluble in water

Hardness: 2.0-2.5

SECTION 10: STABILITY & REACTIVITY

Stability: Stability for a long term storage; no aggravated reaction incurred; no erosion

The hazardous reaction in special condition: no

SECTION 13: SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing

Avoid development of dust, efficiently suck off dust at the place of discharge. storing at a cool and dry place.

SECTION 14: TRANSPORT INFORMATION

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

SECTION 16: OTHER INFORMATIONS

This advice is given by Yiyang City Huachang Antimony Industry (HK) Co.,Ltd, who accepts no legal liability for it. The information herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements.

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