



**MATERIAL SAFETY DATA SHEET****PRODUCT: ANTIMONY TRIOXIDE**

Consult Poisons Information Centre. Treat symptomatically. The following antidote is recommended but whether the severity of poisoning requires administration of any antidote and actual dose required should be made by qualified medical personnel. Administer dimercaprol, 3mg/kg (or 0.3ml/10kg) every 4 hours for the first 2 days, and then 2mg/kg every 12 hours for a total of 10 days. Dimercaprol is available as a 10% solution in oil for intramuscular administration.

**3. PRECAUTIONS FOR USE****Exposure standards**

OEL – TWA: 0.5 mg/m<sup>3</sup>

Antimony Trioxide, handling and use, (as Sb) 0.5 mg/ m<sup>3</sup>, Worksafe Australia.

Antimony Trioxide, production, Category 2 Carcinogen, Worksafe Australia. – Probable human carcinogens are those substances for which there is sufficient evidence to provide strong presumption that human exposure may result in the development of cancer. This evidence is generally based on appropriate long term animal studies, limited epidemiological evidence or other relevant information.

**Engineering controls**

Maintain concentration below recommended exposure limit. Avoid generating and inhaling dusts. Mechanical exhaust required.

**Personal protection**

Protective goggles

Protective gloves

Protective clothing

Suitable respirator.

**Personal protection comments**

Avoid all contact. Keep away from food and drink stuffs. Employ good hygiene practices when using. Wash hands thoroughly after handling. A safety shower and eyewash fountain should be available in all work areas.

**Flammability**

Not flammable under normal conditions of use.

**4. SAFE HANDLING INFORMATION****Storage conditions**

Store in closed containers in a dry and cool place away from sources of heat. Maintain adequate ventilation and, if necessary, exhaust ventilation when handling or transferring the product.

**Spills & disposal**

Evacuate unprotected personnel from danger area. Sweep up, but avoid generating dust.

Collect and seal in properly labelled drums for disposal. Wash away residues with water.

Observe local regulations. Wear full protective clothing.

**Fire/Explosion Hazard**

Use extinguishing media appropriate to surrounding fire conditions. Antimony Trioxide is fire retardant. Wear respiratory protection equipment.

Incompatible with acids, bases and reducing agents. Corrosive and toxic antimony trichloride is produced when dissolved in dilute hydrochloric acid.

**5. OTHER INFORMATION****Toxicological Information:**

Acute toxicity: LD50 oral rat: > 20,000 mg/kg

Intraperitoneal LD50 rat: 3250 mg/kg

Inhalation of antimony trioxide causes lung and liver damage in animals. It is thought to be animal carcinogen at dose levels upwards of ten times the TLV.

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## Reference:

Consolidated Chemical Co. Material Safety Data Sheet (May 1998)

**CONTACT POINT:****EMERGENCY No. 0419 341 095 all hours**

**DISCLAIMER:** The information given in this data sheet is based on data supplied by the manufacturer and is, to the best of our knowledge, true and accurate, but any recommendations or suggestions that may be made are without guarantee, since the conditions of use are beyond our control. The information and recommendations offered are for the user's consideration and it is the user's responsibility to satisfy themselves that they are suitable and complete for this particular purpose. We recommend that the safety and handling information presented in this data sheet be passed on, in an appropriate format, to your customers and handlers.