



METALS-CHEMICALS

MATERIAL SAFETY DATA SHEET

Antimony Powder
Date: July 8, 2008

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Menomonee Falls WI 53051-6101
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MANUFACTURER'S NAME: ACRO SALES & ENGINEERING, INC.
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Product name & Synonyms: ANTIMONY POWDER.

INGREDIENTS

CHEMICAL NAME	C.A.S. Number	WT. %	OSHA PEL, Mg/m3
Antimony Metal	7440-36-0	100.00	0.50
Chemicals listed as carcinogen or possible carcinogen:			
	YES	NO	
NTP	X		
IARC	X		
OSHA	X	Section 313 information –see page 3	

Chemicals & Physical Properties

Boiling Point: 1750° C	Melting Point: 630° C	Solubility in water: None	% volatile (vol.) N.A.
Specific Gravity (water =1) 6.68	Vapor pressure (mmHg): N.A.	Evaporation rate: N.A.	Ph: N.A.
Appearance and Color: Gray and odorless		Other: N.A.	

Fire & Explosion Hazards

Flash point (method): N.A.	Ignition temp: Cloud 420° C Layer 330° C	Minimum Explosive Concentration: 420 oz/1000 ft ³
Extinguishing media: Class D fire extinguishers, dry sand or other inert material. Do not use Class A, B, or C extinguishers or halogenated agents		
Special fire fighting procedures: Gently cover the burning powder and form a ring around it with the sand or other inert material. Do not disturb or form dust clouds. Allow to cool.		
Unusual fire & explosion hazards: When heated or in contact with acid, can emit toxic fumes. Antimony powder with a particle size range of less than 74 microns is classified as weakly explosive by the U.S. Bureau of Mines, report RI-6516. When present as a dust cloud, will not explode readily in air and are not easily ignited by sparks.		

Acute Health Effects/Routes of Entry

Inhalation: Dust and fumes are absorbed from the lungs into the bloodstream. Organs attacked include heart, lungs & mucous membrane of the respiratory tract.
Skin Contact: Irritation and eczematous eruption on the skin.
Eye Contact: Irritation
Ingestion: Stomatitis, vomiting, diarrhea
Supplemental Information: For acute, chronic effect and medical surveillance, see Page 3

First Aid Procedures

Inhalation: Remove from exposure to fresh air. Get medical advice immediately.
Skin Contact: Wash with soap immediately. Get medical attention immediately when symptoms develop.
Eye Contact: Flush with water at least 15 minutes. Consult a physician.
Ingestion: Get medical advice immediately.

Reactivity

Product corrosive:		Stability:		Hazardous polymerization:	
Yes	No X	Unstable	Stable X	May occur	Will not occur X
Conditions and materials to avoid: Acids, halogens, nitrates, potassium permanganate, potassium and sodium peroxide.					
Hazardous decomposition products: When heated or in contact with acid, can emit toxic fumes.					

Spills, Leaks, Handling & Storage

Spill & leak procedures: Wear protective clothing, goggles and a NIOSH approved respirator. Sprinkle moderately with damp sand and collect for disposal avoiding dust clouds as much as possible.
Waste disposal method: Put in a closed container for disposal. Recovery and recycle is an option to disposal for scrap antimony metal. (Disposer must comply with Federal, state or local waste disposal laws)
Handling and storage methods: Store in a cool, dry place avoiding contact with heat and acids. Avoid creating dust clouds.

Special Precautions

Ventilation requirements: Local exhaust, minimum face velocity of 60 f.p.m.

Respiratory protection: (Use NIOSH/MSHA approved respirators) Use supplied air respirator in confined or enclosed spaces if needed.

Protective clothing: Use chemical resistant gloves, barrier creams, and apron to avoid prolonged or repeated skin contact. Wear appropriate clothing to prevent any reasonable possibility of skin contact.

Additional protective measures: Goggles or face shield. Wash after use and before eating or drinking.

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SUPPLEMENTAL INFORMATION

Symptoms of acute oral poisoning include violent irritation of the nose, mouth, stomach, and intestines, vomiting, bloody stools, slow shallow respiration and pulmonary congestion.

CHRONIC Sb POISONING

Symptoms of chronic oral poisoning include dry throat, nausea, headache, sleeplessness, loss of appetite and dizziness. Liver and kidney degenerative changes are late manifestations.

MEDICAL SURVEILLANCE

Periodic examinations should give special attention to lung disease, skin disease, diseases of the nervous system, heart and gastrointestinal tract.

Lung functions, EKGs, blood and urine should be evaluated periodically.

PRE-EXISTING CONDITIONS AGGRAVATED

Pre-existing respiratory, skin.

SECTION 313 SUPPLIER NOTIFICATION

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372.

<u>CAS#</u>	<u>Chemical Name</u>	<u>Percent Weight</u>
7440-36-0	Antimony	100

TRANSPORTATION

DOT:)	Antimony powder,
IMDG:)	6.1, UN2871, III Poison