

Material Safety Data Sheet / Safety Data sheet

Antimony Sb Metal Powder

Section 1: Chemical Product Identifier and Synonyms

Product Name: Antimony Metal Powder

UN Number: 2871

CAS Number: 7440-36-0

Synonym: Antimony Black; Antimony Regulus

Chemical Formula: Sb

Section 2: Composition and Information on Ingredients

Composition

Name	CAS Number:	% By Weight
Antimony Metal Powder	7440-36-0	>100%

Toxicology Data On Ingredients: Antimony Metal Powder LD50: Not Available. LC50: Not Available

Section 3: Hazards Identification

Potential Acute Health Effects:

May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.

Section 4: First Aid Measures

Eye Contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

Skin Contact:

Wash off immediately with plenty of water for at least 15 minutes. Obtain medical attention.

Inhalation:

Move to fresh air. Obtain medical attention. If not breathing, give artificial respiration.

Ingestion:

Do not induce vomiting. Obtain medical attention.

Section 5: Fire and Explosion Data

Flammability of the Product: Not available.

Auto-Ignition Temperature: 330 °C / 626 °F

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: antimony oxide.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances: Not available.

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Use Dry chemical.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

Large Spill:

Sweep up or vacuum up spillage and collect in suitable container for disposal. Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions:

Use only under a chemical fume hood. Wear personal protective equipment. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep under nitrogen

Section 8: Exposure Controls / Personal Protection

Engineering Controls:

Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection:

Safety glasses. Gloves. Protective clothing. Dust production: dust mask with filter.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Powder.

Odour: Not available.

Taste: Not available.

Molecular Weight: 121.75 g/mole

Colour: Silver/Browny

pH (1% soln/water): Not available.

Boiling Point: 1635 °C / 2975 °F @ 760 mmHg

Melting Point: 630 °C / 1166 °F

Critical Temperature: Not available.

Specific Gravity: Not available. (Water = 1)

Vapour Pressure: 1 mmHg @ 886 °C

Vapour Density: Not available.

Volatility: Not available.

Odour Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in water.

Section 10: Stability and Reactivity Data

Stability: Stable under normal conditions. Air sensitive.

Instability Temperature: Not available.

Conditions of Instability: Incompatible products. Excess heat. Avoid dust formation. Exposure to air

Incompatibility with various substances: Strong oxidizing agents.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Does not occur.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: LD50 = 7 g/kg (Rat) LC50: Not available.

Chronic Effects on Humans: Respiratory system, liver Kidney Cardiovascular system.

Other Toxic Effects on Humans: Not available.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Not available.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Information

Waste Disposal: Dispose of in accordance with local regulations

Section 14: Transport Information

DOT Classification: Class: 6.1

Identification: Antimony Metal Powder UN Number: 2871 PG: III

Special Provisions for Transport: Not available.

Section 15: Regulatory Information

Regulations: Labelling according to Regulation (EC) No 1272/2008.

Section 16: Other Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials. The author will not be held liable for any damage or injury caused by this product and does not obviate the requirement for end users to carry out their own workplace and specific use risk assessment.

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