

MSDS

ANTIMONY AA, ICP, ICP-MS STANDARDS, 1000 - 10000 ppm Sb in Water, Tartaric Acid and trace Nitric Acid

Material Safety Data Sheet

Section 1: Chemical Product and Company Identification

Catalog Number: MSSB1KW, PSB10KW, PSB1KW, S0557000, S0558000, S0558B00	
Product Identity: ANTIMONY AA, ICP, ICP-MS STANDARDS, 1000 - 10000 ppm Sb in Water, Tartaric Acid and trace Nitric Acid	
Manufacturer's Name: RICCA CHEMICAL COMPANY LLC	Emergency Contact(24 hr) -- CHEMTREC® Domestic: 800-424-9300 International: 703-527-3887
CAGE Code: 0V553	
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Section 2: Composition/Information on Ingredients

Component	CAS Registry #	Concentration	ACGIH TLV	OSHA PEL
Antimony	7440-36-0	0.1 - 1.0	Not Available 0.5 mg/m3	Not Available 0.5 mg/m3
Nitric Acid	7697-37-2	trace	2 ppm 5.2 mg/m3	2 ppm 5 mg/m3
Water, Deionized	7732-18-5	Balance	Not Available Not Available	Not Available Not Available
Tartaric Acid	87-69-4	0.1 - 2.0	Not Available Not Available	Not Available Not Available

Section 3: Hazard Identification

Emergency Overview: Does not present any significant hazards. Avoid contact with skin, eyes and clothing. Wash areas of contact with water. Contact a physician if irritation develops.

Target Organs: eyes, skin.

Eye Contact: May cause slight irritation.

Inhalation: Not likely to be hazardous by inhalation.

Skin Contact: May cause irritation and dermatitis.

Ingestion: Large doses may cause gastrointestinal upset.

Chronic Effects/Carcinogenicity: None

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IARC - No.

NTP - No.

OSHA - No.

Reproductive Information: Reproductive effects cited in 'Registry of Toxic Effects of Chemical Substances' for Nitric Acid.**Teratology (Birth Defect) Information:** Mutation data cited in 'Registry of Toxic Effects of Chemical Substances' for Nitric Acid.

Section 4: First Aid Measures - In all cases, seek qualified evaluation.

Eye Contact: Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops.**Inhalation:** Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen.**Skin Contact:** Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops.**Ingestion:** Dilute with water or milk. Do not induce vomiting. Call a physician if necessary.

Section 5: Fire Fighting Measures

Flash Point: Not Available.**Method Used:** Not Available.**LFL:** Not Available.**UFL:** Not Available.**Extinguishing Media:** Use any means suitable for extinguishing surrounding fire.**Fire & Explosion Hazards:** Not considered to be a fire or explosion hazard.**Fire Fighting Instructions:** Use normal procedures/instructions.**Fire Fighting Equipment:** Use protective clothing and breathing equipment appropriate for the surrounding fire.

Section 6: Accidental Release Measures

Dilute with water, then flush to sewer if local regulations allow. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always dispose of in accordance with local, state and federal regulations.

Section 7. Handling and Storage

As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage.

Safety Storage Code: General

Section 8: Exposure Control/Personal Protection

Engineering Controls: No specific controls are needed. Normal room ventilation is adequate.**Respiratory Protection:** Normal room ventilation is adequate.**Skin Protection:** Chemical resistant gloves.**Eye Protection:** Safety glasses or goggles.

Section 9: Physical and Chemical Properties

Appearance: Clear, colorless liquid**Odor:** Odorless**Solubility in Water:** Infinite**Specific Gravity:** Approximately 1**pH:** Not Available.**Boiling Point(°C):** Approximately 100**Melting Point(°C):** Approximately 0**Vapor Pressure:** Not Applicable.

Section 10: Stability and Reactivity

Chemical Stability: Stable under normal conditions of use and storage.**Incompatibility:** None identified.**Hazardous Decomposition Products:** When heated to decomposition, can emit toxic fumes of Carbon Oxides and Nitrogen Oxides.**Hazardous Polymerization:** Will not occur.

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Section 11. Toxicological Information

LD50, Oral, Rat: (Antimony) >7 gm/kg, details of toxic effects not reported other than lethal dose value. Antimony is investigated as a tumorigen. LDLo, Oral, Rabbit: 5000 mg/kg (Tartaric Acid), behavioral effects noted.

Section 12. Ecological Information

Ecotoxicological Information: No information found.

Chemical Fate Information: No information found.

Section 13. Disposal Considerations

Dilute with water and flush down the drain with plenty of water if allowed by local regulations. If not allowed, save for recovery or recycling in an approved waste disposal facility. Always comply with local, state and federal regulations.

Section 14. Transport Information

Part Numbers:

This product is not regulated.

Section 15. Regulatory Information (Not meant to be all inclusive - selected regulation represented)

OSHA Status: The above items either do not contain any specifically hazardous material or the potentially hazardous material is present in such low concentration that the items do not present any immediate threat to health and safety. These items do not meet the OSHA Hazard Communication Standard (29 CFR 1910.1200) definition of a hazardous material.

TSCA Status: All components of this solution are listed on the TSCA Inventory or are mixtures (hydrates) of items listed on the TSCA Inventory.

Sara Title III:

Section 302 Extremely Hazardous Substances: Not Applicable.

Section 311/312 Hazardous Categories: No

Section 313 Toxic Chemicals: Not Applicable.

California: None Reported.

Pennsylvania: Nitric Acid is listed as an Environmental Hazard on the state's Hazardous Substances List. Antimony

RCRA Status: Not Applicable.

CERCLA Reportable Quantity: Nitric Acid - 1,000 pounds. Antimony - 5,000* pounds.

WHMIS: Not Applicable.

Section 16. Other Information

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NFPA Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Special Notice Key:None

HMIS Ratings:

Health: 1

Flammability: 0

Reactivity: 0

Protective Equipment:B (Protective Eyewear, Gloves)

When handled properly by qualified personnel, the product described herein does not present a significant health or safety hazard. Alteration of its characteristics by concentration, evaporation, addition of other substances, or other means may present hazards not specifically addressed herein and which must be evaluated by the user. The information furnished herein is believed to be accurate and represents the best data currently available to us. No warranty, expressed or implied, is made and RICCA CHEMICAL COMPANY assumes no legal responsibility or liability whatsoever resulting from its use.