

MATERIAL SAFETY DATA SHEET

MANUFACTURER: Manufactured for
ROSEMOUNT ANALYTICAL INC.
ADDRESS: 851 McKinley Avenue
Colombus, OH 43222

DATE REVISED: 1-27-11
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(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

SECTION 1-Product Identification

Product Name: Ammonium Dimolybdate

Synonyms:

Part Number: 185-3047-62

SECTION 2-Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	80	no
Sulfuric Acid	7664-93-9	14	yes
Ammonium Dimolybdate	27546-07-2	6	yes

SECTION 3-Hazards Identification

Health Rating: 3
Flammability Rating: 0
Reactivity Rating: 0

Lab Protective Equip: gloves, safety goggles

SECTION 4-First Aid Measures

INHALATION: N/A

INGESTION: Human poisoning never reported

SKIN CONTACT: Wash thoroughly with water

EYE CONTACT: Wash thoroughly with water

SECTION 5-Fire Fighting Measures

Fire: Not Combustible

Explosion: N/A

Fire Extinguishing Media: Fight Surrounding Fire

Special Information: May emit ammonia, nitrous gases and molybdenum trioxide fumes if in powder or crystal form. Not likely in solution.

SECTION 6-Accidental Release Measures

Wash area well with water

SECTION 7-Handling and Storage

None

SECTION 8-Exposure Controls/Personal Protection

Airborne Exposure Limits: N/E
Ventilation System: Normal room ventilation
Personal Respirators (NIOSH Approved): Not Required
Skin Protection: Rubber Gloves
Eye Protection: Safety Goggles

SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid
Odor: Odorless
Solubility: Soluble
Specific Gravity: N/E
pH: approximately 5.0
Boiling Point: Approximately 100°C
Melting Point: N/A
Vapor Density (Air=1): N/A
Vapor Pressure (mm Hg): N/A
Evaporation Rate (BuAc=1): N/A

SECTION 10-Stability and Reactivity

Stability: Stable
Hazardous Decomposition Products: None
Hazardous Polymerization: Will not occur
Incompatibilities: N/A
Conditions to Avoid: N/A

SECTION 11-Toxicological Information:

ROUTES OF ABSORPTION: Skin, Eye, Ingestion
THRESHOLD LIMIT VALUE: Air: 5 mg (Mo)/m³. Toxicity - LD₅₀ (oral-rat) 333 mg/kg (of 100% molybdate powder)
SIGNS, SYMPTOMS, AND EFFECTS OF EXPOSURE: Toxicity is considered low.

SECTION 12-Ecological Information

Environmental Fate: N/A
Environmental Toxicity: N/A

SECTION 13-Disposal Considerations

None Reported

SECTION 14-Transport Information

UN2796, Sulfuric Acid Solution, 8, corrosive, PGII

SECTION 15-Regulatory Information

None Reported

SECTION 16-Other Information

N/A

NFPA Ratings: Health:1 Flammability:0 Reactivity:0

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