

MSDS DATE: 3/31/98
CHANGE NO.: 20005For Assistance, Contact:
Regulatory Affairs Dept.
PO Box 907 Ames, IA 50010
(800) 227-4224HACH COMPANY
PO BOX 907
AMES, IA 50010Emergency Telephone #
Rocky Mountain Poison Ctr.
(303) 623-5716**I. PRODUCT IDENTIFICATION**PRODUCT NAME: MolyVer @ 2 Molybdenum Reagent
CAS NO.: NA CHEMICAL NAME: Not applicable
FORMULA: Not applicable CHEMICAL FAMILY: Not applicable
MSDS NUMBER: M00064**II. INGREDIENTS**Potassium Persulfate
PCT: <40 CAS NO.: 7727-21-1 SARA: NOT LISTED
TLV: 5 mg/M3 PEL: Not established
HAZARD: Oxidizer; strong eye irritant; allergenSodium Sulfate, Anhydrous
PCT: <70 CAS NO.: 7757-82-6 SARA: NOT LISTED
TLV: Not established PEL: Not established
HAZARD: May cause irritation**III. PHYSICAL DATA**STATE: solid APPEARANCE: White powder ODOR: None
SOLUBILITY IN: WATER: Very soluble ACID: Soluble OTHER: Not determined
BOILING POINT: NA MELTING PT.: 100C decomp SPEC GRAVITY: 2.51
pH: of 5% soln. = 4.9 VAPOR PRESSURE: Not applicable
VAPOR DENSITY (air=1): NA EVAPORATION RATE: NA
METAL CORROSIVITY - ALUMINUM: NA STEEL: NA STABILITY: Stable
STORAGE PRECAUTIONS: Store in a cool, dry place.**IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA**FLASH PT.: Not applicable METHOD: NA
FLAMMABILITY LIMITS - LOWER: NA UPPER: NA
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None
SHOCK SENSITIVITY: None AUTOIGNITION PT.: ND EXTINGUISHING MEDIA: water
FIRE/EXPLOSION HAZARDS: May emit toxic fumes of sulfur oxide
HAZARDOUS DECOMP. PRODUCTS: Toxic fumes of sulfur oxides and sodium oxide in fire
OXIDIZER: No NFPA Codes: Health: 1 Flammability: 0 Reactivity: 0
CONDITIONS TO AVOID: Extreme temperatures, excess moisture; contact with aluminum, reducers, oxidizable or combustible materials**V. HEALTH HAZARD DATA**THIS PRODUCT MAY BE: Irritating to eyes and respiratory tract and may cause allergic skin and respiratory reactions.
ACUTE TOXICITY: Moderately toxic
ROUTES OF EXPOSURE: Ingestion, Inhalation
TARGET ORGANS: Not determined
CHRONIC TOXICITY: Not determined
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
CANCER INFORMATION: Not applicable
ROUTES OF EXPOSURE: Not applicable
TARGET ORGANS: Not applicable
OVEREXPOSURE: Causes eye and respiratory tract irritation. May cause allergic skin and respiratory tract reactions.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Allergies or sensitivity to potassium persulfate; pre-existing eye and respiratory tract conditions.**VI. PRECAUTIONARY MEASURES**Avoid contact with eyes, skin and clothing
Do not breathe dust.
Wash thoroughly after handling.
PROTECTIVE EQUIPMENT: adequate ventilation, lab grade goggles, disposable latex gloves**VII. FIRST AID**EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call a physician. Wash skin with soap and plenty of water.
INGESTION: Do NOT induce vomiting. Give 1 - 2 glasses of water. Call a physician immediately. Never give anything by mouth to an unconscious person.
INHALATION: Remove to fresh air.**VIII. SPILL AND DISPOSAL PROCEDURES**IN CASE OF SPILL OR RELEASE: In small batches, dilute with excess water in beaker. Neutralize to a pH between 6 and 9 with soda ash. Flush to drain with excess water.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.**IX. TRANSPORTATION DATA**D.O.T. PROPER SHIPPING NAME: Not Currently Regulated
HAZARD CLASS: NA ID: NA GROUP: NAI.C.A.O. PROPER SHIPPING NAME: Not Currently Regulated
HAZARD CLASS: NA ID: NA GROUP: NAI.M.O. PROPER SHIPPING NAME: Not Currently Regulated
HAZARD CLASS: NA ID: NA GROUP: NA**X. REFERENCES**

- 1) TLV's Threshold Limit Values and Biological Exposure Indices for 1988-1989. American Conference of Governmental Industrial Hygienists, 1988.
- 2) Air Contaminants, Federal Register, Vol. 54, No. 12, Thursday, January 19, 1989. pp. 2332-2983.
- 3) In-house information
- 4) Technical judgment
- 5) Outside testing.
- 6) Gosselin, R.E. et al. Clinical Toxicology of Commercial Products, 5th Ed. Baltimore: The Williams and Wilkins Co., 1984.
- 7) Sax, N. Irving. Dangerous Properties of Industrial Materials, 6th Ed. New York: Van Nostrand Reinhold Co. 1984.