

MSDS DATE: 7/15/93
CHANGE NO.: 8745For 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: Bromocresol Green-Methyl Red
CAS NO.: NA CHEMICAL NAME: Not applicable
FORMULA: Not applicable CHEMICAL FAMILY: Not applicable**II. INGREDIENTS**Potassium Chloride
PCT: >98 CAS NO.: 7447-40-7 SARA: NOT LISTED
TLV: Not established PEL: Not established
HAZARD: May cause eye irritationOther components, each
PCT: <1 CAS NO.: NA SARA: NOT LISTED
TLV: Not applicable PEL: Not applicable
HAZARD: Not applicable

Any component of this mixture not specifically listed (eg. "other components") is not considered to present a carcinogen hazard.

III. PHYSICAL DATASTATE: solid APPEARANCE: Red-brown or green ODOR: None
SOLUBILITY IN: WATER: Soluble ACID: Not determined
OTHER: Not determined BOILING POINT: NA MELTING PT.: 181°C
SPEC GRAVITY: 1.91 pH: of 5% soln. = 9.0 VAPOR PRESSURE: Not applicable
VAPOR DENSITY (air=1): NA EVAPORATION RATE: NA
METAL CORROSIVITY - ALUMINUM: ND STEEL: ND
STABILITY: See Conditions to Avoid
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, dry chemical, alcohol foam or carbon dioxide
FIRE/EXPLOSION HAZARDS: May emit toxic fumes in fire
HAZARDOUS DECOMP. PRODUCTS: May emit toxic chloride fumes in fire
OXIDIZER: No NFPA Codes: Health: 1 Flammability: 0 Reactivity: 0
CONDITIONS TO AVOID: Extreme heat; contact with acids.**V. HEALTH HAZARD DATA**THIS PRODUCT MAY BE: Irritating to eyes, skin and respiratory tract.
ACUTE TOXICITY: Moderately toxic
ROUTES OF EXPOSURE: Ingestion, inhalation
TARGET ORGANS: circulatory system
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: May cause eye, skin and respiratory tract irritation. May cause stomach disturbances, weakness, circulatory and heart problems.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with impaired kidney function may be more susceptible to the effects of potassium chloride**VI. PRECAUTIONARY MEASURES**Avoid contact with eyes and skin.
Do not breathe dust.
Wash thoroughly after handling.
Keep away from acids.
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 physician. Flush skin with plenty of water.
INGESTION: Give large quantities of water. Call physician immediately.
INHALATION: Remove to fresh air.**VIII. SPILL AND DISPOSAL PROCEDURES**IN CASE OF SPILL OR RELEASE: Sweep up powder. Avoid breathing material.
Dissolve in water. Flush down the 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: Not applicable ID: 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