

MSDS DATE: 6/14/91  
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: Phenolphthalein Solution 0.1%  
CAS NO.: NA CHEMICAL NAME: Not applicable  
FORMULA: Not applicable CHEMICAL FAMILY: Not applicable**II. INGREDIENTS**Propylene Glycol  
PCT: <100 CAS NO.: 57-55-6 SARA: NOT LISTED  
TLV: Not established PEL: Not established  
HAZARD: May cause irritationPhenolphthalein  
PCT: <1 CAS NO.: 77-09-8 SARA: NOT LISTED  
TLV: Not established PEL: Not established  
HAZARD: May cause irritationOther component  
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 DATA**STATE: liquid APPEARANCE: Clear, colorless to yellow ODOR: Mild  
SOLUBILITY IN: WATER: Miscible ACID: Miscible OTHER: Not determined  
BOILING POINT: 188°C MELTING PT.: NA SPEC GRAVITY: 1.032 pH: 6.1  
VAPOR PRESSURE: Not determined VAPOR DENSITY (air=1): ND  
EVAPORATION RATE: 0.01 METAL CORROSIVITY - ALUMINUM: ND STEEL: ND  
STABILITY: Stable  
STORAGE PRECAUTIONS: Store tightly closed.**IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA**FLASH PT.: >100°C; >212°F METHOD: open cup  
FLAMMABILITY LIMITS - LOWER: ND UPPER: ND  
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None  
SHOCK SENSITIVITY: None AUTOIGNITION PT.: >700°C  
EXTINGUISHING MEDIA: water, dry chemical, alcohol foam or carbon dioxide  
FIRE/EXPLOSION HAZARDS: May emit toxic fumes of carbon monoxide and carbon dioxide  
HAZARDOUS DECOMP. PRODUCTS: May emit toxic fumes of carbon monoxide and carbon dioxide in fire  
OXIDIZER: No NFPA Codes: Health: 0 Flammability: 1 Reactivity: 0  
CONDITIONS TO AVOID: Excessive heat, contact with oxidizers**V. HEALTH HAZARD DATA**THIS PRODUCT MAY BE: Irritating to eyes and skin.  
ACUTE TOXICITY: Practically non-toxic  
ROUTES OF EXPOSURE: Not applicable  
TARGET ORGANS: Not applicable  
CHRONIC TOXICITY: Not determined  
ROUTES OF EXPOSURE: Not determined  
TARGET ORGANS: Not determined  
CANCER INFORMATION: carcinogenicity testing in progress for a component of this product  
ROUTES OF EXPOSURE: Not determined  
TARGET ORGANS: Not determined  
OVEREXPOSURE: May cause irritation  
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None reported**VI. PRECAUTIONARY MEASURES**Avoid contact with eyes and skin.  
Do not breathe vapor.  
Wash thoroughly after handling.  
PROTECTIVE EQUIPMENT: adequate ventilation, lab grade goggles, disposable gloves**VII. FIRST AID**EYE AND SKIN CONTACT: Immediately flush eyes with water for 15 minutes. Call physician. Wash skin with soap and plenty of water.  
INGESTION: Give large quantities of water. Call physician immediately.  
INHALATION: Not applicable**VIII. SPILL AND DISPOSAL PROCEDURES**IN CASE OF SPILL OR RELEASE: Absorb on paper. Burn in a chemical incinerator equipped with an afterburner and scrubber.  
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
- 5) Sax, N. Irving. Dangerous Properties of Industrial Materials, 6th Ed. New York: Van Nostrand Reinhold Co. 1984.