

MSDS DATE: 12/31/92
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: Sodium Hydroxide Standard Solution 0.01 N
CAS NO.: NA CHEMICAL NAME: Not applicable
FORMULA: Not applicable CHEMICAL FAMILY: Not applicable**II. INGREDIENTS**

Sodium Hydroxide

PCT: <1 CAS NO.: 1310-73-2 SARA: NOT LISTED
TLV: 2 mg/M3 PEL: 2 mg/M3
HAZARD: Corrosive

Isopropanol

PCT: <10 CAS NO.: 67-63-0 SARA: NOT LISTED
TLV: 400 ppm PEL: 400 ppm
HAZARD: Moderately toxic; flammable

Deminerlized Water

PCT: to 100 CAS NO.: 7732-18-5 SARA: NOT LISTED
TLV: Not applicable PEL: Not applicable
HAZARD: None**III. PHYSICAL DATA**STATE: liquid APPEARANCE: Clear and colorless ODOR: None
SOLUBILITY IN: WATER: Miscible ACID: Miscible OTHER: Not determined
BOILING POINT: 94C MELTING PT.: NA SPEC GRAVITY: 0.992 pH: 11.7
VAPOR PRESSURE: Not determined VAPOR DENSITY (air=1): ND
EVAPORATION RATE: ND METAL CORROSIVITY - ALUMINUM: 0.00 in/yr
STEEL: 0.00 in/yr STABILITY: See Conditions to Avoid
STORAGE PRECAUTIONS: Store tightly closed in a cool, dry place.**IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA**FLASH PT.: 56.7C; 134F METHOD: closed cup
FLAMMABILITY LIMITS - LOWER: ND UPPER: ND
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None
SHOCK SENSITIVITY: None AUTOIGNITION PT.: ND
EXTINGUISHING MEDIA: water, carbon dioxide, or dry chemical
FIRE/EXPLOSION HAZARDS: Combustible
HAZARDOUS DECOMP. PRODUCTS: None
OXIDIZER: No NFPA Codes: Health: 2 Flammability: 2 Reactivity: 0
CONDITIONS TO AVOID: Heat; exposure to air: causes CO2 contamination;
contact with strong acids**V. HEALTH HAZARD DATA**THIS PRODUCT MAY BE: corrosive to eyes and skin
ACUTE TOXICITY: Moderately Toxic
ROUTES OF EXPOSURE: Ingestion, inhalation, skin absorption
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 burns to all exposed tissues
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye and skin disorders**VI. PRECAUTIONARY MEASURES**Avoid contact with eyes, skin and clothing
Do not breathe mist or vapor.
Wash thoroughly after handling.
PROTECTIVE EQUIPMENT: adequate ventilation, lab grade goggles, disposable
latex gloves, lab coat**VII. FIRST AID**EYE AND SKIN CONTACT: Immediately flush eyes and skin with water for 15
minutes. Remove contaminated clothing. Call physician.
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: Not applicable**VIII. SPILL AND DISPOSAL PROCEDURES**IN CASE OF SPILL OR RELEASE: Dilute with water. Pour 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: Sodium Hydroxide, Solution
HAZARD CLASS: Corrosive Material ID: UN1824I.C.A.O. PROPER SHIPPING NAME: Sodium Hydroxide Solution
HAZARD CLASS: 8 ID: UN1824 GROUP: III.M.O. PROPER SHIPPING NAME: Sodium Hydroxide, Solution
HAZARD CLASS: 8 ID: UN1824 GROUP: II**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