MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

PRODUCT NAME: Sodium Hydroxide Standard Solution 8.01 N
CAS NO.: NA
FORMULA: Not applicable
CHEMICAL FAMILY: Not applicable

II. INGREDIENTS

Sodium Hydroxide
PCT: <1
TLV: 2 mg/m³
HAZARD: Corrosive.

Isopropanol
PCT: <10
TLV: 400 ppm
HAZARD: Moderately toxic; flammable

Deionized Water
PCT: to 100
TLV: 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: 10°C
MELTING PT.: NA
SPEC GRAVITY: 0.992
PH: 11.7
VAPOR PRESSURE: Not determined
VAPOR DENSITY L/air: NA
METAL CORROSION: Aluminum: 0.03 in/yr
STAIN: 0.00 in/yr
STABILITY: See Conditions to Avoid

IV. FIRE, EXPLOSION HAZARD AND REACTIVITY DATA

FLASH PT.: 56.7°C
FLASH METHOD: Closed cup
FLAMMABILITY LIMITS - LOWER: NA
FLAMMABILITY LIMITS - UPPER: NA
SUSCEPTIBILITY TO SPONTANEOUS HEATING: None
SHOCK SENSITIVITY: None
AUTOIGNITION PT.: NA
EXTINGUISHING MEDIA: Water, carbon dioxide, or dry chemical
FIRE/EXPLOSION HAZARDS: Combustible
HAZARDOUS DECOMP. PRODUCTS: None
OXIDIZER: Yes
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: Inhalation, skin absorption
TARGET ORGANS: Not determined

CHRONIC TOXICITY: Not determined
ROUTES OF EXPOSURE: Not determined
TARGET ORGANS: Not determined
CANCER INFORMATION: Not applicable

CONDITIONS TO AVOID: Heat; exposure to air; causes CO2 contamination; contact with strong acids

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.
INHALATION: 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 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: UN1824

I.C.A.O. PROPER SHIPPING NAME: Sodium Hydroxide Solution
HAZARD CLASS: 8
ID: UN1824
GROUP: II

I.M.O. PROPER SHIPPING NAME: Sodium Hydroxide Solution
HAZARD CLASS: 8
ID: UN1824
GROUP: II

X. REFERENCES

3) In-house information
4) Technical Judgment

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.
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