

1072 ALKALINE IODIDE-AZIDE REAGENT

MSDS Number

BBFDT

National Stock Number

6810-00D001386

Product Name

1072 ALKALINE IODIDE-AZIDE REAGENT

Manufacturer

HACH CO

Product Identification

Product ID:1072 ALKALINE IODIDE-AZIDE REAGENT

MSDS Date:07/15/1986

FSC:6810

NIIN:00D001386

MSDS Number: BBFDT

Responsible Party

HACH CO.

100 DAYTON RD

AMES , IA 50010-6402

US

Emergency Phone: 515-232-2533

Info Phone: 303-669-3050

Cage: 91224

Contractor

HACH CO

389

LOVELAND, CO 80539

US

970-669-3050/ 303-623-5716

Cage: 91224

Ingredients

LITHIUM HYDROXIDE MONOHYDRATE

CAS: 1310-66-3

RTECS: OJ6307080

Fraction By Weight:

POTASSIUM IODIDE

CAS: 7681-11-0

RTECS: TT2975000

Fraction By Weight:

SODIUM AZIDE (SARA III)

CAS: 26628-22-8

RTECS: VY8050000

Fraction By Weight:

OSHA PELS, C 0.1 PPM(HN3)

ACGIH TLV: C 0.11 PPM; 9394

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 340MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: PRODUCT IS CORROSIVE TO SKIN, EYES AND RESPIRATORY TRACT. HARMFUL IF SWALLOWED, MAY CAUSE CNS EFFECTS. CHRONIC: DERMATITIS, IRRITATION OF MUCOUS MEMBRANES, CNS EFFECTS.

Explanation of Carcinogenicity:MFR LISTS AS "POTENTIAL CARCINOGEN".

Effects of Overexposure:CAUSES BURNING, DIZZINESS, NAUSEA, CENTRAL NERVOUS SYSTEM DEPRESSION, COMA, DEATH. CHRONIC IODINE EXPOSURE MAY CAUSE SKIN RASH, RUNNY NOSE.

Medical Cond Aggravated by Exposure:RESPIRATORY & SKIN DISORDERS.

PRODUCT MAY ALSO LOWER BLOOD PRESSURE.

First Aid

First Aid:EYES/SKIN: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES.

REMOVE CONTAMINATED CLOTHING. CALL A PHYSICIAN. INGESTION: IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER AND AT LEAST 1 OZ. OF VINEGAR MIXED WITH WATER. GET MEDICAL IMMEDIATE ATTENTION.

INHALED: REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF BREATHING STOPPED. GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

Flash Point:NONFLAMMABLE

Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:MAY EMIT TOXIC FUMES OF IODINE AND IODINE COMPOUNDS IN FIRE.

Accidental Release

Spill Release Procedures:PLACE IN A BEAKER, DILUTE WITH WATER, NEUTRALIZE WITH 6M HYDROCHLORIC ACID AND FLUSH DOWN DRAIN WITH EXCESS OF WATER.

Neutralizing Agent:HYDROCHLORIC ACID OR ACETIC ACID

Handling

Handling and Storage Precautions:STORE IN COOL, DRY AREA AWAY FROM INCOMPATIBLE MATERIALS. KEEP TIGHTLY CLOSED.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

Exposure Controls

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER. HMIS: IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR. USE IAW 29 CFR 1910.134 AND RESPIRATOR

Ventilation:USE FUME HOOD TO MAINTAIN EXPOSURE BELOW REGULATORY LIMITS.

Protective Gloves:RUBBER

Eye Protection:SAFETY GLASSES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

Chemical Properties

HCC:C2

Melt/Freeze Pt:M.P/F.P Text:230F,110C

Spec Gravity:1.94 (WATER=1)

Solubility in Water:APPRECIABLE

Appearance and Odor: WHITE CRYSTALLINE SOLID; NO DISTINCTIVE ODOR, PH OF 5% SOLN=12.6
Corrosion Rate: AL 0.248

Stability

Stability Indicator/Materials to Avoid: YES
STRONG OXIDIZING AGENTS, STRONG MINERAL ACIDS.
Stability Condition to Avoid: EXPOSURE TO HEAT OR FLAMES, EXCESS MOISTURE; CONTACT WITH STRONG MINERAL ACIDS, STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products: FUMES OF IODINE AND IODINE COMPOUNDS

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. EPA WASTE NUMBER P105 MAY APPLY.

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