

270, SILICA 1 REAGENT

MSDS Number

BNCLC

National Stock Number

6810-01-169-1773

Product Name

270, SILICA 1 REAGENT

Manufacturer

HACH CO

Product Identification

Product ID:270, SILICA 1 REAGENT

MSDS Date:11/29/1993

FSC:6810

NIIN:01-169-1773

MSDS Number: BNCLC

Responsible Party

HACH CO.

5600 LINDBERGH DR

LOVELAND , CO 80539

US

Emergency Phone: 303-623-5716

Info Phone: 800-227-4224

Preparer: NONE

Cage: 91224

Contractor

HACH COMPANY

907

AMES, IA 50010

US

800-227-4224

Cage: 4T252

Ingredients

MOLYBDIC ACID, DISODIUM SALT

CAS: 7631-95-0

RTECS: QA5075000

Fraction By Weight:

OSHA PEL5 MG/M3 AS MO

ACGIH TLV: 5 MG/M3 AS MO

SULFURIC ACID (SARA III)

CAS: 7664-93-9

RTECS: WS5600000

Fraction By Weight:

OSHA PEL1 MG/M3

ACGIH TLV: 1 MG/M3; 9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

DEMINERALIZED WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: TO 100%

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THIS PRODUCT MAY BE CORROSIVE TO EYES AND SKIN, IRRITATING TO THE RESPIRATORY TRACT. ACUTE TOXICITY-INGESTION MAY CAUSE BONE MARROW DISORDERS.
Effects of Overexposure:CAUSES BURNS. BREATHING SULFURIC ACID MIST OR VAPOR MAY CAUSE EROSION OF TEETH, MOUTH SORENESS, DIFFICULTY IN BREATHING. MOLYBDENUM COMPOUNDS MAY CAUSE LOSS OF COORDINATION, LOSS OF APPETITE, ANEMIA. MAY INDUCE COPPER DEFICIENCY.
Medical Cond Aggravated by Exposure:RESPIRATORY CONDITIONS, BLOOD DISEASE AND GOUT MAY BE AGGREGATED BY EXPOSURE TO MOLYBDENUM COMPOUNDS.

First Aid

First Aid:EYE & SKIN CONTACT:IMMEDIATELY FLUSH EYE WITH WATER FOR 15 MIN. CONTACT PHYSICIAN. FLUSH SKIN WITH PLENTY OF WATER.
INGESTION:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF WATER. CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALATION:REMOVE TO FRESH AIR.

Fire Fighting

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.
Unusual Fire/Explosion Hazard:MAY EMIT TOXIC FUMES IN FIRE.

Accidental Release

Spill Release Procedures:COVER CONTAMINATED SURFACE WITH SODA ASH OR SODIUM BICARBONATE. MIX AND ADD WATER IF NECESSARY. USE LITMUS PAPER, MAKE SURE PH OF SLURRY IS NEUTRAL OR ADD NEUTRALIZER UNTIL MIX IS BUBBLING. SCOOP UP SLURRY & WASH WASTE DOWN DRAIN WITH WATER.
Neutralizing Agent:SODIUM BICARBONATE, SODA ASH.

Handling

Handling and Storage Precautions:STORE TIGHTLY CLOSED.
Other Precautions:WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES, SKIN AND CLOTHING.

Exposure Controls

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.
Ventilation:ADEQUATE VENTILATION.
Protective Gloves:DISPOSABLE LATEX GLOVES
Eye Protection:LAB GRADE GOGGLES
Other Protective Equipment:LAB COATS, EYE WASH, SAFETY SHOWER.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
THIS PRODUCT IS CORROSIVE TO ALUMINUM AND STEEL.

Chemical Properties

HCC:C1
Boiling Pt:B.P. Text:212F,100C
pH: Solubility in Water:MISCIBLE
Appearance and Odor: CLEAR COLORLESS LIQUID, NO ODOR.

Stability

Stability Indicator/Materials to Avoid: YES
CONTACT WITH OXIDIZERS AND REDUCERS.
Stability Condition to Avoid: EXTREME TEMPERATURES.
Hazardous Decomposition Products: MAY EMIT TOXIC FUMES OF SULFUR OXIDE
IN FIRE.

Disposal

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL,
STATE, AND LOCAL REGULATIONS.

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