

HACH COMPANY -- SILICA 1 REAGENT -- 6810-01-461-3318

===== Product Identification =====

Product ID:SILICA 1 REAGENT

MSDS Date:06/10/1997

FSC:6810

NIIN:01-461-3318

Status Code:A

MSDS Number: CJGRC

=== Responsible Party ===

Company Name:HACH COMPANY

Box:907

City:AMES

State:IA

ZIP:50010-6402

Country:US

Info Phone Num:800-227-4224

Emergency Phone Num:800-227-4224

CAGE:4T252

=== Contractor Identification ===

Company Name:HACH CO

Address:5600 LINDBERGH DR

Box:389

Ci

ty:LOVELAND

State:CO

ZIP:80539

Country:US

Phone:970-669-3050/ 303-623-5716

Contract Num:SP0450-99-M-NA98

CAGE:91224

Company Name:HACH COMPANY

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Phone:800-227-4224

CAGE:4T252

===== Composition/Information on Ingredients =====

Ingred Name:SODIUM BISULFATE MONOHYDRATE

CAS:10034-88-5

RTECS #:VZ1870000

&lt; Wt:10.

Ingred Name:SULFURIC ACID

CAS:7664-93-9

RTECS #:WS5600000

&lt; Wt:10.

OSHA PEL:1 MG/M3

ACGIH TLV:1

MG/M3  
ACGIH STEL:3 MG/M3  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:MOLYBDIC ACID  
CAS:7782-91-4  
&lt; Wt:10.  
OSHA PEL:10 MG/M3  
ACGIH TLV:10 MG/M3

Ingred Name:DEIONIZED (DEMINERALIZED) WATER  
CAS:7732-18-5  
Code:F  
RTECS #:ZC0110000  
Fraction by Wt: TO 100%

===== Hazards Identification =====

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES

Health H

azards Acute and Chronic:TARGET ORGANS: LUNGS. ACUTE TOXICITY:

NOT DETERMINED. THIS PRODUCT MAY BE CORROSIVE TO EYES, IRRITATING  
TO SKIN AND RESPIRATORY TRACT. CHRONIC TOXICITY: TEETH EROSION,  
CHRONIC INFLAMMATION OR IRRITATI ON. ROUTE OF EXPOSURE-INHALATION.  
TARGET ORGANS-LUNGS, TEETH.

Explanation of Carcinogenicity:AN INGREDIENT OF THIS MIXTURE IS A KNOWN  
CARCINOGEN. ROUTE OF EXPOSURE: INHALED. TARGET ORGANS: NASAL  
CAVITY, PARANASAL SINUS, LUNGS, LARYNX.

Effects of Over

exposure:CAUSES EYE BURNS. MAY CAUSE SKIN & RESPIRATORY  
TRACT IRRITATION. INHALATION OF MIST/VAPOR MAY CAUSE EROSION OF  
TEETH, MOUTH SORENESS, DIFFICULT BREATHING. MOLYBDENUM COMPOUNDS  
MAY CAUSE LOSS OF COORDI NATION OR APPETITE, ANEMIA, COPPER  
DEFICIENCY.

Medical Cond Aggravated by Exposure:CHRONIC EYE, SKIN AND RESPIRATORY  
CONDITIONS. BLOOD DISEASE OR GOUT MAY BE AGGRAVATED BY EXPOSURE TO  
MOLYBDENUM COMPOUNDS.

===== First Aid Measures =====

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First Aid:EYES-IMMEDIATELY FLUSH EYES WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN. SKIN-FLUSH WITH PLENTY OF WATER. INGESTED-DO NOT INDUCE VOMITING! IF CONSCIOUS, GIVE 1-2 GLASSES WATER. CALL A PHYSICIAN IMMEDI ATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. INHALED-REMOVE TO FRESH AIR.

===== Fire Fighting Measures =====

Extinguishing Media:USE MEDIA APPROPRIATE TO THE SURROUNDING FIRE CONDITIONS.

Fire Fighting Proc

edures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:NONE REPORTED.

===== Accidental Release Measures =====

Spill Release Procedures:COVER THE SPILL WITH EXCESS SODA ASH OR SODIUM BICARBONATE. SCOOP SLURRY TO BEAKER. ADJUST PH TO BETWEEN 6 & 9. FLUSH TO DRAIN WITH EXCESS WATER. WASH SITE WITH AN ALKALI SOLUTION.

Neutralizing Agent:SODA ASH OR SODIUM BICARBONATE.

===== Handling and Storage =====

Handlin

g and Storage Precautions:STORE IN A COOL PLACE AWAY FROM OXIDIZERS AND REDUCERS.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:ADEQUATE VENTILATION.

Protective Gloves:DISPOSABLE LATEX GLOVES.

Eye Protection:LAB GRADE GOGGLES.

Other Protective Equipment:LAB COAT.

Work Hygienic Practices:AVOID CONTACT WITH EYES, SKIN & CLOTHES. DO NOT BREATH MIST OR

VAPOR. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:=100.C, 212.F

Melt/Freeze Pt:M.P/F.P Text:ND

Vapor Pres:N/DETERMINED

Vapor Density:ND

Spec Gravity:1.2

pH: