

HACH CO. -- NESSLER REAGENT -- 6810-01-011-7192

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Product Identification  
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Product ID:NESSLER REAGENT

MSDS Date:06/12/1991

FSC:6810

NIIN:01-011-7192

MSDS Number: BLBBS

=== Responsible Party ===

Company Name:HACH CO.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Info Phone Num:800-227-4224/303-669-3050

Emergency Phone Num:800-227-4224 OR 303-623-5716 SUPP.

CAGE:4T252

=== Contractor Ident

ification ===

Company Name:ADVANCED INDUSTRIES INC

Address:415 NORTHCUTT STREET

Box:5666

City:LONGVIEW

State:TX

ZIP:75608

Country:US

Phone:214-236-4101

CAGE:0GA21

Company Name:HACH COMPANY

Address:100 DAYTON RD.

Box:907

City:AMES

State:IA

ZIP:50010

Country:US

Phone:800-227-4224

CAGE:4T252

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Composition/Information on Ingredients  
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Ingred Name:MERCURIC IODIDE

CAS:7774-29-0

RTECS #:OW5250000

Fraction by Wt: < 15%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.1 MG/M3 AS HG,

MFR  
ACGIH TLV:0.05 MG/M3 AS HG,MFR

Ingred Name:SODIUM HYDROXIDE (SARA III)  
CAS:1310-73-2  
RTECS #:WB4900000  
Fraction by Wt: < 20%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM IODIDE  
CAS:7681-82-5  
RTECS #:WB6475000  
Fraction by Wt: < 10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:IODINE  
CAS:7553-56-2  
RTECS #:NN1575000  
Fraction by Wt: < 1%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C 0.1 PPM  
ACGIH TLV:C 0.  
1 PPM; 9192

Ingred Name:WATER, DEMINERALIZED  
CAS:7732-18-5  
RTECS #:ZC0110000  
Fraction by Wt: TO 100%  
Other REC Limits:NONE SPECIFIED

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-MAY BE CORROSIVE TO EYES AND  
SKIN. VERY TOXIC. OVEREXPOSURE CAUSES BURNS. CHRONIC- CUMULATIVE  
POISON.  
Effects of Overexposure:SEE HEALTH H

**AZARDS SECTION.**

Medical Cond Aggravated by Exposure:MAY AGGRAVATE ALLERGIES OR SENSITIVITY TO MERCURY; EYE OR SKIN CONDITIONS; DISORDERS OF THE CENTRAL NERVOUS SYSTEM OR KIDNEY.

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

First Aid:EYE AND SKIN CONTACT:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES.REMOVE CONTAMINATED CLOTHING.CALL PHYSICIAN.INHALATION:REMOVE TO FRESH AIR.CALL PHYSICIAN.INGESTED:DO NOT INDUCE VOMITING.IF CONSCIOUS, DRINK 1-2 GLASSES OF WATER.CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point:NOT RELEVANT  
Extinguishing Media:MEDIA APPROPRIATE FOR SURROUNDING FIRE.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE.  
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE PRODUCTION OF TOXIC FUMES.

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

Spill Release Procedures:DO NOT ALLOW THE MERCURY CONTAMINATE AIR OR WATER. SOAK UP SOLUTION WITH INERT MATERIAL. DO NOT BREATHE FUMES. DECONTAMINATE AREA WITH MERCURY ABSORBING COMPOUNDS AVAILABLE COMMERCIALY.  
Neutralizing Agent:NOT GIVEN

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

Handling and Storage Precautions:STORE TIGHTLY CLOSED.  
Other Precautions:WASH THOROUGHLY AFTER HANDLING. AVOID CONTACT WITH EYES, SKIN AND CLOTHING . DO NOT BREATHE FUMES OR VAPORS.

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

Respiratory Protection:USE NIOSH APPROVED AIR SUPPLIED RESPIRATOR IF NEEDED.  
Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.  
Protective Gloves:RUBBER GLOVES  
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD  
Other Protective Equipment:EYE WASH STATION, SAFETY SHOWER, FUME HOOD, LAB GRADE GOGGLES, DISPOSABLE GLOVES, LAB COAT.  
Work Hyg

ienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID ALL CONTACT IF POSSIBLE.

Supplemental Safety and Health

FORMULATION CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A, SAME NSN.

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

HCC:B1

Spec Gravity:1.265

pH:12.1

Solubility in Water:MISCIBLE

Appearance and Odor:CLEAR, LIGHT YELLOW LIQUID

Corrosion Rate:4.245

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

ACIDS, ORGANICS, AMMONIA, ALDEHYDES

Stability Condition to Avoid:EXTREME TEMPERATURES AND LIGHT

Hazardous Decomposition Products:TOXIC FUMES OF MERCURY, IODINE AND IODINE COMPOUNDS

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF ALL MERCURY CONTAMINATED MATERIAL IN AN EPA APPROVED HAZARDOUS WASTE FACILITY. DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

Disclai

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