

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 Identi

fication ===

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

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

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 HA

ZARDS 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.

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First Aid Measures
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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.

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Fire Fighting Measures
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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.

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Accidental Release Measur
es
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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

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Handling and Storage
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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.

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Exposure Controls/Personal Protection
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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 Hygi

enic 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.

Disclaim

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