

NATIONAL DIAGNOSTICS -- HISTO-CLEAR,HS-200 - SOLVENT,HISTOLOGICAL
MATERIAL SAFETY DATA SHEET
NSN: 6850011482442
Manufacturer's CAGE: OTMT2
Part No. Indicator: A
Part Number/Trade Name: HISTO-CLEAR,HS-200

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General Information
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Item Name: SOLVENT,HISTOLOGICAL
Company's Name: NATIONAL DIAGNOSTICS INC
Company's Street: 305 PATTON DRIVE
Company's City: ATLANTA
Company's State: GA
Company's Country: US
Company's Zip Code: 30336
Company's Emerg Ph #: 404-699-2121/800-424-9300 (CHEMTREC)
Company's Info Ph #: 404-699-2121
Distributor/Vendor # 1: NATIONAL DIAGNOSTICS INC
Distributor/Vendor # 1 Cage: 58215
Record No. For Safety Entry: 001
Tot Safety Entries This Stk#: 002
Status: SE
Date MSDS Prepared: 13OCT95
Safety Data Review Date: 05JUN96
Supply Item Manager: KX
MSDS Preparer's Name: UNKNOWN
MSDS Serial Number: BZJJK
Specification Number: NONE
Spec Type, Grade, Class: NONE
Hazard Characteristic Code: F4
Unit Of Issue: EA
Unit Of Issue Container Qty: 5.0 GAL
Type Of Container: DRUM
Net Unit Weight: 35.4 LBS
NRC/State License Number: NOT RELEVANT

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Ingredients/Identity Information
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Proprietary: NO
Ingredient: FOOD OIL DISTILLATES
Ingredient Sequence Number: 01
Percent: 100
NIOSH (RTECS) Number: 1014368FO
OSHA PEL: NOT ESTABLISHED
ACGIH TLV: NOT ESTABLISHED
Other Recommended Limit: NONE RECOMMENDED

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Physical/Chemical Characteristics
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Appearance And Odor: COLORLESS, MOBILE LIQUID - CITRUS ODOR
Boiling Point: 355F,179C
Melting Point: UNKNOWN
Vapor Pressure (MM Hg/70 F): 6 @ 77F
Vapor Density (Air=1): 4.69
Specific Gravity: 0.85
Decomposition Temperature: UNKNOWN
Evaporation Rate And Ref: 0.4 (N-BUTYL ACETATE=1)
Solubility In Water: INSOLUBLE
Viscosity: UNKNOWN
Radioactivity: NOT RELEVANT
Corrosion Rate (IPY): UNKNOWN

Fire and Explosion Hazard Data

Flash Point: 118F,48C
Flash Point Method: TCC
Lower Explosive Limit: UNKNOWN
Upper Explosive Limit: UNKNOWN
Extinguishing Media: USE FOAM, DRY CHEMICAL/CARBON DIOXIDE. DON'T USE DIRECT STREAM OF WATER. PRODUCT WILL FLOAT AND CAN BE REIGNITED.
Special Fire Fighting Proc: DO NOT ENTER ANY ENCLOSED OR CONFINED AREA WITHOUT PROPER PROTECTIVE EQUIPMENT AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS.
Unusual Fire And Expl Hazrds: VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK. CONTAINERS MAY RUPTURE DUE TO VAPOR PRESSURE BUILDUP.

Reactivity Data

Stability: YES
Cond To Avoid (Stability): HEAT, FLAMES, SPARKS, HOT SURFACES
Materials To Avoid: STRONG OXIDIZING AGENTS
Hazardous Decomp Products: UNKNOWN
Hazardous Poly Occur: NO
Conditions To Avoid (Poly): NOT RELEVANT

Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL, RAT) IS >5,000 MG/KG.
Route Of Entry - Inhalation: YES
Route Of Entry - Skin: NO
Route Of Entry - Ingestion: NO
Health Haz Acute And Chronic: TARGET ORGANS:EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE EYE IRRITATION. REPEATED/PROLONGED SKIN CONTACT MAY CAUSE IRRITATION. HIGH VAPOR CONCENTRATIONS MAY PRODUCE MILD RESPIRATORY IRRITATION. INGESTION MAY CAUSE VOMITING. ASPIRATION HAZARD. CHRONIC- UNKNOWN.
Carcinogenicity - NTP: NO
Carcinogenicity - IARC: NO
Carcinogenicity - OSHA: NO
Explanation Carcinogenicity: NONE
Signs/Symptoms Of Overexp: IRRITATION, NAUSEA
Med Cond Aggravated By Exp: UNKNOWN
Emergency/First Aid Proc: GET MEDICAL HELP IF SYMPTOMS PERSIST.
INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER.
ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH WITH WATER. CONSULT PHYSICIAN.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND OR VERMICULITE. TRANSFER TO PROPER CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS OR WATERWAYS.
Neutralizing Agent: NOT RELEVANT
Waste Disposal Method: DISPOSE OF IN AN APPROVED INCINERATOR OR CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS.
Precautions-Handling/Storing: STORE IN COOL, VENTILATED AREA, AWAY FROM FLAMES, SPARKS, HOT SURFACES & STRONG OXIDIZING AGENTS. KEEP CONTAINER TIGHTLY CLOSED.
Other Precautions: AVOID BREATHING VAPORS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING OR DRINKING. REMOVE CONTAMINATED CLOTHING PROMPTLY. LAUNDRER BEFORE REUSE. KEEP OUT OF

REACH OF CHILDREN.

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Control Measures
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Respiratory Protection: NONE REQUIRED WHERE ADEQUATE VENTILATION CONDITIONS EXIST. IF AIRBORNE CONCENTRATION IS HIGH, WEAR A NIOSH-APPROVED RESPIRATOR.

Ventilation: USE EXPLOSION-PROOF VENTILATION EQUIPMENT TO CONTROL VAPOR CONCENTRATIONS.

Protective Gloves: NEOPRENE FOR REPEATED/PROLONGED CONTACT

Eye Protection: SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment: SAFETY SHOWER AND EYE WASH FOUNTAIN SHOULD BE LOCATED NEARBY. WEAR APPROPRIATE PROTECTIVE CLOTHING FOR RISK OF EXPOSURE.

Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

=====Transportation Data
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Trans Data Review Date: 96157
DOT PSN Code: GJL
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
DOT Class: 3
DOT ID Number: UN1993
DOT Pack Group: III
DOT Label: FLAMMABLE LIQUID
DOT/DoD Exemption Number: NOT RELEVANT
IMO PSN Code: HIA
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o *
IMO Regulations Page Number: 3345
IMO UN Number: 1993
IMO UN Class: 3.3
IMO Subsidiary Risk Label: - *
IATA PSN Code: MCA
IATA UN ID Number: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
AFI PSN Code: MCA
AFI Prop. Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Class: 3
AFI ID Number: UN1993
AFI Pack Group: III
AFI Basic Pac Ref: A7.3
N.O.S. Shipping Name: FOOD OIL DISTILLATES

=====Disposal Data
=====Label Data
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Label Required: YES
Technical Review Date: 05JUN96
MFR Label Number: UNKNOWN
Label Status: F
Common Name: HISTO-CLEAR,HS-200
Signal Word: WARNING!
Acute Health Hazard-Slight: X
Contact Hazard-Slight: X
Fire Hazard-Moderate: X
Reactivity Hazard-None: X
Special Hazard Precautions: TARGET ORGANS:EYE, SKIN, RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE EYE, SKIN, RESPIRATORY IRRITATION. INGESTION MAY CAUSE VOMITING. ASPIRATION HAZARD. CHRONIC- UNKNOWN. STORE IN COOL,

VENTILATED AREA, AWAY FROM IGNITION SOURCES & STRONG OXIDIZERS. PICK UP SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND/VERMICULITE. TRANSFER TO PROPER CONTAINER FOR DISPOSAL. FIRST AID- GET MEDICAL HELP IF SYMPTOMS FLUSH WITH WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP & WATER. ORAL:DO NOT INDUCE VOMITING. IF CONSCIOUS, RINSE MOUTH WITH WATER. CONSULT PHYSICIAN.

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