

NATIONAL DIAGNOSTICS INC -- OPTICLEAR W,OE-106 -- 6850-01-393-9052

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

Product ID:OPTICLEAR W,OE-106

MSDS Date:05/19/1992

FSC:6850

NIIN:01-393-9052

MSDS Number: BTTWV

=== Responsible Party ===

Company Name:NATIONAL DIAGNOSTICS INC

Address:305 PATTON DRIVE

City:ATLANTA

State:GA

ZIP:30336

Country:US

Info Phone Num:404-699-2121

Emergency Phone Num:404-699-2121,800-424-9

300(CHEMTREC)

Preparer's Name:NONE

CAGE:0TMT2

=== Contractor Identification ===

Company Name:NATIONAL DIAGNOSTICS INC

Address:305 PATTON DRIVE

Box:City:ATLANTA

State:GA

ZIP:30336

Country:US

Phone:404-699-2121

CAGE:0TMT2

Company Name:NATIONAL DIAGNOSTICS INC

Address:1013-1017 KENNEDY BLVD

Box:City:MANVILLE

State:NJ

ZIP:08835

Country:US

CAGE:58215

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

Ingred Name:2-PYRROLIDINONE

CAS:616-45-5

Fraction by Wt: >90%

Other REC Limits:NO

NE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 4200 MG/KG.

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: EYES: MODERATE IRRITANT. NO

PERMANENT DAMAGE. SKIN: IRRITATION. INHALATION: NO EVIDENCE OF

TOXIC EFFECTS. INGESTION: NO EFFECTS OF EXPOSURE EXPECTED. CHRONIC:

SEVERE DERMATITIS WITH BLISTERS, CRACKING, RED

NESS UPON PROLONGED

OR REPEATED CONTACT.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, DERMATITIS,

BLISTERS, CRACKING, REDNESS. INHALATION: NO EVIDENCE OF TOXIC

EFFECTS. INGESTION: NO EFFECTS OF EXPOSURE EXPECTED.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION
PERSISTS, GET ME

DICAL ATTENTION. SKIN: REMOVE CONTAMINATED

CLOTHING. WASH AREA WITH SOAP AND WATER. INHALATION: MOVE TO FRESH

AIR. IF NOT BREATHING, GIVE CPR. GET MEDICAL ATTENTION. INGESTION:

INDUCE VOMITING BY GIVING TWO GLASSES OF WATER AND STICKING FINGER

DOWN THROAT. GET MEDICAL ATTENTION.

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

Flash Point Method:CC

Flash Point:200F,93C

Autoignition Temp:Autoignition Temp Text:518F

Lower Limits:1.3

Upper Limits:9.5

Extinguis

hing Media:FOAM,DRY CHEMICAL,CARBON DIOXIDE,WATER.AVOID

SPRAYING WATER DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF

BOIL OVER.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND

FULL FACE-PIECE SELF-CONTAINED BREATHING APPARATUS. COOL FIRE

EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:ELIMINATE SOURCES OF IGNITI

ON. PREVENT SPILL

FROM ENTERING SEWERS, WATER COURSES, OR LOW AREAS. CONTAIN SPILL WITH SAND OR EARTH. RECOVER BY PUMPING (USE EXPLOSION PROOF PUMP) OR WITH A SUITABLE ABSORBENT.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE THE USUAL PRECAUTIONS FOR FLAMMABLE LIQUIDS.

Other Precautions:ALL HANDLING EQUIPMENT SHOULD BE ELECTRICALLY GROUNDED.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF VAPOR CONCENTRATION BECOMES HIGH, USE SELF-CONTAINED AIR MASK.

Ventilation:LOCAL EXHAUST SHOULD BE ADEQUATE.

Protective Gloves:POLYETHYLENE, NEOPRENE, PVC, PVA.

Eye Protection:CHEMICAL SPLASH GOGGLES, FACE SHIELD.

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE

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

HCC:N1

Boiling Pt:B.P. Text:200F,93C

Vapor Pres:0.29

Vapor Density:3.4

Spec Gravity:1.03

Evaporation Rate & Reference:0.08 (N-BU ACETATE=1)

Solubility in Water:MISCIBLE

Appearance and Odor:CLEAR AND COLORLESS LIQUID. MILD ODOR.

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES
AVOID STRONG OXIDIZ

ING AGENTS.

Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAME.

Hazardous Decomposition Products:CARBON MONOXIDE AND OXIDES OF NITROGEN
FUMES EMITTED WHEN HEATED TO DECOMPOSITION.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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