

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

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Product Identification  
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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:404-699-2121,800-424-9300(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

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Composition/Information on Ingredients  
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Ingred Name:2-PYRROLIDINONE

CAS:616-45-5

Fraction by Wt: >90%

Other REC Limits:N

# ONE 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, REDNESS 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 MEDICAL 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  
Extinguishing 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 IGNITION

ION. 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.

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

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

Other Precautions:ALL HANDLING EQUIPMENT SHOULD BE ELECTRICALLY GROUNDED.

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===== 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

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===== 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

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

Stability Indicator/Materials to Avoid:YES

AVOID STRONG OXIDIZING AGENTS

ZING 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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