

NATIONAL DIAGNOSTICS, INC. -- OPTICLEAR E, PRODUCT #:OE-104 -- 6850-01-393-9061  
===== Product Identification =====

Product ID:OPTICLEAR E, PRODUCT #:OE-104

MSDS Date:05/10/1992

FSC:6850

NIIN:01-393-9061

MSDS Number: BVGBD

=== 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:800-424-9300(CHEMTREC)

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

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

Ingred Name:ALKYL HYDROCARBONS

Fraction by Wt: 100%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:TLV:400PPM TOT HYDROCARBON BASED ON COMP  
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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: EYE: SLIGHTLY IRRIT BUT DOES NOT INJURE  
EYE TISSUE. SKIN: LOW ORDER OF TOXICITY. FREQ/PROL CONTACT MAY  
IRRIT. INHAL: HIGH VAP/AEROSOL CONCEN(>1000PPM) IRRIT EYE & RESP  
TRACT, CNS EFFECTS INCLUDING DEATH. INGEST: SM AMTS ASPIRATED INTO  
RESP SYS DURING INGEST/VOMIT MAY CAUSE MILD--SEVERE PULM  
INJURY, POSSIBLE DEATH. MIN TOXICITY

Effects of Overexposure:

EYE: IRRIT. SKIN: DERMATITIS. INHAL: IRRIT TO EYES  
& RESP TRACT, CAUSING HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS,  
UNCONSCIOUSNESS, & OTHER CNS EFFECTS INCLUDING DEATH. INGEST: MILD  
TO SEVERE PULMONARY INJURY POSSIBLY PROGRESSING TO DEATH.

Medical Condition Aggravated by Exposure: SKIN CONTACT MAY AGGRAVATE AN  
EXISTING DERMATITIS CONDITION.

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First Aid Measures  
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First Aid: EYE: FLUSH W/LG AMTS OF WATER. USE SOAP IF AVAILABLE. REMOVE  
CLOTHING & SHOES. INHAL: USING PROPER RESP PROTECTION IMMEDIATELY REMOVE VICTIM FROM EXPOSURE. GIVE ART RES IF  
BREATHING STOPPED. KEEP AT REST. CALL FOR PROMPT MED ATTN. INGEST: DO NOT INDUCE VOMIT. KEEP AT REST. GET PROMPT MED ATTN.

GROSSLY CONTAMINATED CLOTHING & SHOES. INHAL: USING PROPER RESP  
PROTECTION IMMEDIATELY REMOVE VICTIM FROM EXPOSURE. GIVE ART RES IF  
BREATHING STOPPED. KEEP AT REST. CALL FOR PROMPT MED ATTN. INGEST: DO NOT INDUCE VOMIT. KEEP AT REST. GET PROMPT MED ATTN.

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Fire Fighting Measures  
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Flash Point Method: TCC

Flash Point: = 7.2C, 45.F

Autoignition Temp: = 382.2C, 720.F

Lower Limits: 1.3

Upper Limits: 10.2 @ 77F

Extinguishing Media: FOAM, DRY CHEMICAL OR WATER.

AVOID SPRAYING WATER

DIRECTLY INTO STORAGE CONTAINERS DUE TO DANGER OF BOIL OVER.

Fire Fighting Procedures: FLAMMABLE LIQUID. KEEP AWAY FROM HEAT, SPARKS  
& OPEN FLAME.

Unusual Fire/Explosion Hazard: NOT APPLICABLE.

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Accidental Release Measures  
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Spill Release Procedures: REMOVE IGN SOURCES. STOP LEAK W/O RISK. BEGIN  
CLEANUP PROCEDURES. KEEP PUBLIC AWAY. ADVISE AUTHORITIES. PREVENT FROM  
ENTERING SEWERS/WATERCOURSES/LOW AREAS. CONTAIN SPILL  
W/SAND,

EARTH(AVOID COMBUST MATL LIKE SAWDUST).RECOVER W/EXPLOSION  
PROOF PUMP.SEE SUPPL

Neutralizing Agent:NONE SPECIFIED BY MFG.

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

Handling and Storage Precautions:USUAL PRECAUTIONS FOR FLAMMABLE  
LIQUIDS.

Other Precautions:ALL HANDLING EQUIPMENT SHOULD BE ELECTRICALLY  
GROUNDED.

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

Respiratory Protection:NOT NORMALLY REQUIRED BUT IF VAPOR CONCENTRATION  
B

ECOMES 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:USUALLY NOT NEEDED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING. LAUNDER CONTAMINATED  
CLOTHING BEFORE REUSE.

Supplemental Safety and Health

WATER SPILL:REMOVE FROM SURFACE BY SKIMMING OR W/SUITABLE ADSORBENTS.  
IF ALLOWED BY LOCAL AUTHORITIES & ENVIRONMENTAL AGNECIES

SINKING

&/OR USITABLE DISPERSANT MAY BE USED IN NON-CONFINED WATERS. CONS  
ULT AN EXPERT ON DISPOSAL OF RECOVERED MATL & ENSURE CONFORMITY TO  
LOCAL DISPOSAL REGS.

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

HCC:F2

Boiling Pt:=117.8C, 244.F

Vapor Pres:36 @68F

Spec Gravity:0.72 @60F

Viscosity:1CST @ 77F

Evaporation Rate & Reference:1.6, NBU ACETATE=1.

Solubility in Water:NEGLIGIBLE,