

===== 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 Identificat

ion ===

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Box:City:ATLANTA

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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

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. I NGEST: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 & RE

SP TRACT, CAUSING HEADACHES, DIZZINESS, ANESTHESIA, DROWSINESS, UNCONSCIOUSNESS, & OTHER CNS EFFECTS INCLUDING DEATH. INGEST:MILD TO SEVERE PULMONAR Y INJURY POSSIBLY PROGRESSING TO DEATH.

Medical Cond Aggravated by Exposure:SKIN CONTACT MAY AGGRAVATE AN EXISTING DERMATITIS CONDITON.

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

First Aid:EYE:FLUSH W/LG AMTS OF WATER. USE SOAP IF AVAILABLE. REMOVE GROSSLY CONTAMIN CLOTHING & SHOES. INHAL:USING PROPER RESP

PROTECTION IMMED REMOVE VICTIM FROM EXPOSURE. GIVE ART RES IF BREATHING STOPPED. KEEP AT REST. CALL FOR PROMTP MED ATTN.INGEST:DO NOT INDUCE VOMIT. KEEP AT REST. GET PROMPT MED ATTN.

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

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 T O DANGER OF BOIL OVER.

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

Unusual Fire/Explosion Hazard:NOT APPLICABLE.

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

Spill Release Procedures:REMOVE IGN SOURCES.STOP LEAK W/O RISK.BEGIN CLEANUP PROCDURES.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.

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

Handling and Storage Precautions:USUAL PRECAUTIONS FOR FLAMMABLE LIQUIDS.

Other Precautions:ALL HANDLING EQUIPMENT SHOULD BE ELECTRICALLY GROUNDED.

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

Respiratory Protection:NOT NORMALLY REQUIRED BUT 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:USUALLY NOT NEEDED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING. LAUNDRY 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 AGENCIES SINKING &/OR SUITABLE DISPERSANT MAY BE USED IN NON-CONFINE

D WATERS. CONSULT

AN EXPERT ON DISPOSAL OF RECOVERED MATERIAL & ENSURE CONFORMITY TO LOCAL DISPOSAL REGS.

===== 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,