

NATIONAL DIAGNOSTICS INC -- HYDROFLUOR -- 6850-01-085-2356

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

Product ID:HYDROFLUOR

MSDS Date:01/17/1994

FSC:6850

NIIN:01-085-2356

MSDS Number: BTHJS

=== Responsible Party ===

Company Name:NATIONAL DIAGNOSTICS INC

Address:1013-1017 KENNEDY BLVD

City:MANVILLE

State:NJ

ZIP:08835

Country:US

Info Phone Num:404-699-2121

Emergency Phone Num:404-699-2121/800-424-9300(CHEMT  
REC)

CAGE:58215

=== Contractor Identification ===

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:AROMATIC HYDROCARBONS

Fraction by Wt: 70% %

Other REC Limits:100 PPM PER MFR

Ingred Name:NONIONIC SURFACTANTS

Fraction by Wt: 30% %

Other REC Limits:NONE RECOMMENDED

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

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D50 LC50 Mixture:LD50 ORAL (RAT) = 4.8 G/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:IRRITATION OF MUCOUS MEMBRANES,  
EXCITEMENT, DEPRESSION. MAY CAUSE MILD MACROCYTIC ANEMIA, BUT NOT  
LEUKOPENIA.  
Explanation of Carcinogenicity:THIS PRODUCT IS NOT LISTED BY IARC, NTP  
OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.  
Effects of Overexposure:IRRITATION OF MUCOUS MEMBRANES, EXCITEM  
ENT,  
DEPRESSION, MILD MACROCYTIC ANEMIA.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:THROROUGHLY WASH EXPSOED AREA WITH SOAP AND WATER. IF  
INGESTED, DO NOT INDUCE VOMITING. KEEP WARM, QUIET AND GET MEDICAL  
ATTENTION.

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

Flash Point Method:TCC  
Flash Point:124F,51C  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND  
FULL FACE-PIECE SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY  
TRAVEL ALONG GROUND OR BE MOVED BY VENTILATION AND IGNITED BY  
FLAME. NEVER USE WELDING TORCH ON DRUMS.

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

Spill Release Procedures:COVER WITH ABSORBENT MATERIAL TO CONFINE SPILL  
AND SWEEP OR SHOVEL INTO CONTAINER. AVOID BREATHING VAPORS.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:AVOID EXCESSIVE HEAT, SPARKS AND OPEN  
FLAME. KEEP CONTAINERS CLOSED.  
Other Precautions:ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET APPLY  
TO EMPTY CONTAINERS AS WELL. AVOID BREATHING VAPORS.

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

Respiratory Prot

ection:SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE.

Ventilation:USE UNDER HOOD. USE ONLY WITH ADEQUATE VENTILATION. NO  
SMOKING OR OPEN LIGHT.

Protective Gloves:WEAR IMPERVIOUS RUBBER GLOVES

Eye Protection:WEAR SAFETY GLASSES OR GOGGLES

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED CONTACT,  
WEAR IMPERVIOUS CLOTHING.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

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

HCC:F4

Boiling Pt:B.P. Text:360F,182C

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:2.0

Vapor Density:4.8

Spec Gravity:0.92

Evaporation Rate & Reference:< 0.1 (BUTYL ACETATE=1)

Solubility in Water:GELS W/SMALL AMOUNTS

Appearance and Odor:CLEAR, COLORLESS LIQUID; SLIGHT AROMATIC ODOR

Percent Volatiles by Volume:70 %

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

Stability Indicator/Materials to Av

oid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:AVOID EXCESSIVE HEAT, SPARKS AND OPEN  
FLAMES

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE AND  
VARIOUS HYDROCARBONS.

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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vided with this information by the compiling agencies):

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