

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 =====

L

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.

Disclaimer (pro

vided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.