

AMERICAN GAS & CHEMICAL COMPANY, LTD. -- FLUORO-FINDER FL-22A PENETRANT (POST 3/84)
-- 6850-00-782-2736

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

Product ID:FLUORO-FINDER FL-22A PENETRANT (POST 3/84)

MSDS Date:07/30/1986

FSC:6850

NIIN:00-782-2736

MSDS Number: BFPMP

=== Responsible Party ===

Company Name:AMERICAN GAS & CHEMICAL COMPANY, LTD.

Address:220 PEGASUS AVENUE

City:NORTHVALE

State:NJ

ZIP:07647-19

04

Country:US

Info Phone Num:201-767-7300

Emergency Phone Num:201-767-7300

CAGE:EO527

=== Contractor Identification ===

Company Name:AMERICAN GAS & CHEMICAL COMPANY LTD

Address:220 PEGASUS AVE

City:NORTHVALE

State:NJ

ZIP:07647-1904

Country:US

Phone:201-767-7300/800-526-1008

CAGE:EO527

Company Name:AMERICAN GAS AND CHEMICAL COMPANY,LTD

Address:220 PEGASUS AVENUE,

City:NORTHVALE

State:NJ

ZIP:07647-1904

Country:US

Phone:201-767-7300

CAGE:03530

===== Composition/Information on Ingredients

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Ingred Name:HEAVY AROMATIC NAPHTHA (PER MFR,AROMATIC HYDROCARBON,SOLVENT)

CAS:64742-94-5

Fraction by Wt: 20.0%

Ingred Name:DI-SEC-OCTYL PHTHALATE (DI-2-ETHYLHEXYL-PHTHALATE) (SARA III)

CAS:117-81-7

RTECS #:TI0350000

Fraction by Wt: 40.0%

OSHA PEL:5 MG/M3/10 STEL

ACGIH TLV:5 MG/M3; 9192

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:FLUORANTHENE (SARA III)

CAS:206-44-0

RTECS #:LL4025000

Fraction by Wt: 2.0%

EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

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==== Hazards Identification =====

Reports of Carcinogenicity:NTP:YES IARC:UNKNOWN OSHA:YES

Explanation of Carcinogenicity:DI(2-ETHYLHEXYL)PHTHALATE (LISTED AS INDIREC CARCINOGEN BY NIOSH,NTP) AND FLUORANTHENE IS KNOWN CARCINOGEN.

Effects of Overexposure:EYE:IRRIT.SKIN:IRRIT,DEFAT,DERM.INHL:IRRIT,DIZZ,CNS EFFECTS.ING:IRRIT,VOMIT,CNS.POSS CHEM PNEUMONITIS.

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

First Aid:INHALATION:REMOVE TO FRESH AIR

.IF NOT BRTHNG GIVE CPR;IF

BRTHNG DIFFICULT,GIVE OXYGEN; EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER; SKIN: WASH WITH SOAP & WATER.REMOVE CONTAMINATED CLOTHING & SHOES; I NGESTION: DO NOT INDUCE VOMIT. NOTHG BYMOUTH IF VICTIM IS UNCONSCIOUS. GET MEDICAL ATTENTION.

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

Flash Point Method:COC

Flash Point:184F/84C

Lower Limits:0.8

Upper Limits:6.0

Extinguishing Media:FOAM, DRY CHEM, CO*2, WATER SPRAY OR FOG.

Fire Fig

hting Procedures:SUPPLY AIR-CLOSED AREAS. COOL EXP CONTAINERS
W/WATER SPRAY

Unusual Fire/Explosion Hazard:NONE GIVEN

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

Spill Release Procedures:REMOVE IGNITION SOURCES.RECOVER FREE
LIQUID.COLLECT SPILL W/ABSORBENT & PLACE IN CLOSED CONTAINERS.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED.STORE IN COOL
AREA AWAY FROM HEAT & IGNITION SOURC
ES.GROUND LIQUID XFER SYSTEMS
PER NFPA PETROLEUM STANDARDS.

Other Precautions:COMBUSTIBLE LIQUID. HANDLE EMPTY CONTAINERS WITH
CARE. DO NOT CLEAN EMPTIES,RETURN TO DRUM RECONDITIONER, OR DISPOSE
SAFELY IAW ALL LAWS/REGS.

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

Respiratory Protection:USE SAPP RESPIRATOR AS REQD IN CONFINED SPACES

Ventilation:USE HOOD FACE VEL >60 FPM.

Protective Gloves:CHEM RESIST

Eye Protection:GOGGLES OR FACE SHIELD

Other Protective Equ

ipment:CHEM RESIST APRON OR IMPERV CLOTHING

Supplemental Safety and Health

ENTRY PER OSHA MSDS DTD 30JUL86, FOR NEW FORMULA IN USE AFTER MAR84. SEE
PNI-A FOR OLD FORMULATION, AND PNI-C FOR PENETRANT WHICH QUALIFIES
FOR TYPE I, METH B, LEVEL 3 UNDER QPL-25135-15 OF MIL-I-25135 , REV
'E'. AT THE TIME OF MIL-I-25135,REV C, THE PENETRANT FL-22A
QUALIFIED FOR QPL-25135-13.

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

HCC:V4

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

Vapor

Pres: