

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-3D-FS PENETRANT --  
6850-01-268-6705

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

Product ID:FLAW-FINDER AG-3D-FS PENETRANT  
MSDS Date:05/01/1994  
FSC:6850  
NIIN:01-268-6705  
MSDS Number: BVYJY  
=== Responsible Party ===  
Company Name:AMERICAN GAS AND CHEMICAL COMPANY.,LTD.  
Address:220 PEGASUS AVENUE  
City:NORTHVALE  
State:NJ  
ZIP:07647-1904  
Country:US  
Info Ph  
one Num:201-767-7300  
Emergency Phone Num:201-767-7300  
Preparer's Name:ELENA FROST  
CAGE:03530  
=== Contractor Identification ===  
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 =====

Ingred Name:DI-SEC-OCTYL PHTHALATE (DI-2-ETHYLHEXYL-PHTHALATE) (SARA  
III)  
CAS:117-81-7  
RTECS #:TI0350000  
Fraction by Wt: 60.0%  
OSHA PEL:5 M

G/M3/10 STEL  
ACGIH TLV:5 MG/M3; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingrid Name:PER MANUFACTURER'S MSDS,ITEM CONTAINS NO OTHER HAZARDOUS  
INGREDIENTS ACCORDING TO THE PROVISIONS GIVEN IN 29CFR1910.1200  
RTECS #:9999999ZZ  
Fraction by Wt: BALANCE

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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:YES IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-CAUSES IRRITATION OF

EYES,SKIN,RESPIRATORY TRACT. INGESTION MAY CAUSE  
NAUSEA,VOMITING,ETC. INGESTION OF SMALL QUANTITIES IS USUALLY  
NON-FATAL UNLESS ASPIRATION OCCURS. ASPIRATION MAY LEAD TO CHE  
MICAL PNEUMONITIS.

Explanation of Carcinogenicity:DI(2-ETHYLHEXYL)PHTHALATE LISTED AS AN  
ANIMAL CARCINOGEN,IT IS NOT LISTED AS HUMAN CARCINOGEN,PER MFR MSDS  
INFORMATION.

Effects of Overexposure:INHALED:DUE TO ITS LOW VOLATILITY, EXPOSURE TO  
THIS MATERIAL UNDER AMBIENT CONDITIONS IS NOT EXPECTED TO P  
RODUCE

ADVERSE HEALTH EFFECTS FOLLOWING NORMAL WORKPLACE EXPOSURE.  
SKIN:CAN CAUSE SLIGHT IRRITATION. EYES:MAY CAUSE IRRITATION.  
INGESTED:CAN CAUSE G/I IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

Medical Cond Aggravated by Exposure:NONE CURRENTLY KNOWN

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

First Aid:EYE:FLUSH W/LARGE AMOUNTS OR WATER, LIFTING LIDS. IF  
IRRITATION PERSISTS, CALL A PHYSICIAN. SKIN:WASH HANDS AND  
CONTAMINATED SKIN AFTER HANDLING. I

NHALED:REMOVE TO FRESH AIR.

AID/RESTORE BREATHING IF NECESSARY. REMOVE MATERIAL FROM EYES,  
SKIN, CLOTHING. INGESTED:DO NOT INDUCE VOMITING. CALL A PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:252F/122C

Extinguishing Media:REGULAR FOAM, WATER FOG, CARBON DIOXIDE, OR DRY  
CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS AND OTHERS WHO MAY BE EXPOSED TO  
PRODUCTS OF COMBUSTION SHOULD WEAR FULL PROTECTIVE CLOTHIN

G AND  
SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NONE

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

Spill Release Procedures:CONTAIN SPILL IMMEDIATELY. DO NOT ALLOW SPILL TO ENTER SEWERS OR WATER COURSES. REMOVE ALL SOURCES OF IGNITION. ABSORB WITH APPROPRIATE INERT MATERIAL SUCH AS SAND, CLAY, ETC.  
Neutralizing Agent:PROLONGED/REPEATED SKIN CONTACT

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

Handling and Storage  
Precautions:STORE IN A COOL DRY AREA. KEEP CONTAINERS CLOSED AND PLAINLY LABELED.  
Other Precautions:AVOID PROLONGED OR REPEATED SKIN CONTACT. DO NOT GET IN EYES.

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

Respiratory Protection:NO INFORMATION GIVEN BY MFR ON MSDS.  
Ventilation:NO INFORMATION GIVEN BY MFR ON MSDS.  
Protective Gloves:NON ABSORBENT GLOVES  
Eye Protection:SAFETY GLASSES  
Other Protective Equipment:NO INFORMATION GIVEN BY MFR ON MSDS.  
Work Hygienic Practices:MFR: ? HMIS:USE STRICT CHEMICAL HYGIENE PRACTICE. AVOID UNNECESSARY EXPOSURE. WASH THOROUGHLY BEFORE EATING OR DRINKING.  
Supplemental Safety and Health  
MFR GAVE ALMOST NO INFORMATION ON PERSONAL PROTECTIVE EQUIPMENT (EXCEPT GLOVES & EYE WARE). SINCE THE PRODUCT CONTAINS A CARCINOGEN LISTED BY NTP, HMIS RECOMMENDS READING THE NTP REPORT THEN MINIMIZING CONTACT WITH THE PRODUCT I/A/W BEST INDUSTRIAL HYGIENE PROCEDURES.

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

HCC:N1  
NRC/State Lic Num:NONE  
Boiling Pt:B.P. Text:440F/227C  
Vapor Pres:1.0  
Spec Gravity:0.98  
Evaporation Rate & Reference: