

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-3D-FS PENETRANT --  
6850-01-117-2971

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

Product ID:FLAW-FINDER AG-3D-FS PENETRANT  
MSDS Date:01/03/1989  
FSC:6850  
NIIN:01-117-2971  
MSDS Number: BHLZ  
=== 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:GEORGE KOSEL,CHIEF CHEM  
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 MG/M3/10 STEL  
ACGIH TLV:5 MG/M3; 9192  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingrid Name:TRIPHENYL PHOSPHATE  
CAS:115-86-6  
RTECS #:TC8400000  
Fraction by Wt: 1.0%  
OSHA PEL:3 MG/M3  
ACGIH TLV:3 MG/M3; 9192

Ingrid Name:PER MANUFACTURER'S MSDS,ITEM CONTAINS NO OTHER HAZARDOUS  
INGREDIENTS ACCORDING TO THE PROVISIONS GIVEN IN 29CFR1910.2000  
RTECS #:9999999ZZ  
Fraction by Wt: BALANCE

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

Routes of Entry: Inhalation:NO Skin:  
n:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO 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 CHEMICAL  
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:INHALATION: DUE TO ITS LOW VOLATILITY,EXPOSURE  
TO THIS MATERIAL UNDER AMBIENT CONDITIONS IS NOT EXPECTED TO  
PRODUCE ADVERSE HEALTH EFFECTS FOLLOWING NORMAL WORKPLACE EXPOSURE;  
SKIN: CAN CAUSE SLIGHT IRRITATION; EYES: MAY CAUSE IRRITATION;  
INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING  
AND DIARRHEA.  
Medical Cond Aggravated by Exposure:NONE CURRENTLY KNOWN.

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

First

Aid:INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL HELP. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH TO MOUTH. GIVE OXYGEN IF NEEDED; SKIN AND EYES: FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES. SEEK MEDICAL HELP IF IRRITATION PERSISTS; INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY CALL A PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:252F/122C

Extinguishing Media:REGULAR FOAM,WATER FO  
G,CARBON DIOXIDE,DRY CHEMICAL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND  
SELF-CONTAINED BREATHING APPARATUS.COOL EXPOSED CONTAINERS WITH  
WATER SPRAY.AVOID BREATHING VAPOR OR FUMES.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST/EXPLODE IN HEAT OF  
FIRE.

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION:REMOVE IGNITION  
SOURCES:RECOVER FREE LIQUID;USE SUITABLE INERT ABSORBENT SUCH AS

SAND,CLAY,ETC.TO ABSORB LIQUID.KEEP MATERIAL OUT OF SEWERS/WATER  
WAYS.LG SPILLS MAY BE P ICKED UP BY VACUUM PUMPS,SHOVELS & PLACE IN  
DRUMS.

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

Handling and Storage Precautions:STORE IN A COOL DRY PLACE BELOW  
120F.DO NOT PUNCTURE OR INCINERATE CANS/DRUMS.DO NOT STORE OR  
HANDLE NEAR HEAT,SPARKS OR OXIDANTS.KEEP PLAINLY LABELED

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL,  
GRIND, OR EXPOS

E SUCH CONTAINERS TO HEAT,FLAME,SPARKS OR OTHER  
SOURCES OF IGNITION,THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.DO  
NOT ATTEMPT TO CLEA N SINCE RESIDUE IS DIFFICULT TO REMOVE.

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

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING  
APPARATUS IF NEEDED.

Ventilation:GOOD,GENRAL VENTILATION IS SUFFICIENT.

Protective Gloves:NON ABSORBENT GLOVES

Eye Protection:SAFETY GLASSES

Other Protective Equipment:USE CHEMI

CAL RESISTANT APRON OR OTHER

IMPERVIOUS CLOTHING,IF NEEDED,TO AVOID CONTAMINATING REGULAR CLOTHING.EYE-WASH FAC

Work Hygienic Practices:ADHERE TO GENERAL INDUSTRIAL HYGIEN PRACTICE AT THE WORKPLACE.

Supplemental Safety and Health

ITEM IS TYPE I, METHOD B, LEVEL 3 PER QPL-25135-15 FOR MIL-I-25135,REV

E. THE SAME PRODUCT IS ALSO SUPPLIED BY THE MFR FOR OTHER METHODS AND LEVELS UNDER SEPARATE NSNS.

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

HCC:T4

Boi

ling Pt:B.P. Text:440F IBP

Vapor Pres:1.0(AIR=1

Spec Gravity:0.98

Evaporation Rate & Reference:95%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENT.

Stability Condition to Avoid:EXTREME HEAT

Hazardous Decomposition Products:BURNING CAN PRODUCE CARBON DIOXIDE AND/OR CARBON MONOXIDE.

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

Waste Disposal Methods:WASTE PRODUCT SHOULD BE INCINERATED OR DISPOSED

OF IN AN APPROVED DISPOSAL SITE OR FACILITY.CAN BE RECLAIMED AND RECYCLED.ASSURE CONFORMITY WITH ALL APPLICABLE LOCAL,STATE AND FEDERAL DISPOSAL REGULATIONS.DO NOT INCINERATE EMPTY OR FILLD CANS.

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