

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-3D-FS PENETRANT --  
6850-01-263-8433

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

Product ID:FLAW-FINDER AG-3D-FS PENETRANT  
MSDS Date:01/03/1989  
FSC:6850  
NIIN:01-263-8433  
MSDS Number: BHKWJ  
=== 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

Ingred 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

Ingred 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

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

LD50 LC50 Mixture:NONE ESTABLISHED  
BY MANUFACTURER.

Routes of Entry: Inhalation:NO Skin: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:NONE (AEROSOL)

Exting

uishing Media:REGULAR FOAM, WATER FOG, CARBON DIOXIDE, OR 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:AEROSOL 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 & PLACEIN DRUMS.

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

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

Other Precautions:DO NOT PRESSURIZE, C

UT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME,SPARKS OR OTHER SOURCES OF IGNITION, THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.DO NOT ATTEMPT TO CLE AN 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 CHEMICAL 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

NSN IS FOR PENETRANTS OF TYPE I, METHOD C, LEVEL 3 OF MIL-I-25135, REV E. IN ACCORDANCE WITH QPL-25135-15, FLUORO-FINDER AG-3A-FW, AND FLAW-FINDER AG-3D-FS PENTRANTS ARE TYPE I, METHOD C AND LEVEL 3

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RODUCTS. THIS ENTRY DESCRIBES FLUORO-FINDER AG-3D-FS PENETRANT. SEE PNI B,THIS NSN, FOR FLAW-FINDER AG-3A-FW PENETRANT.

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

HCC:V1

Boiling Pt:B.P. Text:N/R(AEROSOL

Vapor Pres:1.0(AIR=1

Spec Gravity:0.98 (BULK)

Evaporation Rate & Reference:0.1 (N BUAC=1) (BULK)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:BULK PRODUCT: YELLOW-GREEN LIQUID;MILD ODOR

Percent Volatiles by Volume:>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.

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