

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-3D-FS PENETRANT --  
6850-01-263-8221

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

Product ID:FLAW-FINDER AG-3D-FS PENETRANT  
MSDS Date:01/03/1989  
FSC:6850  
NIIN:01-263-8221  
Kit Part:Y  
MSDS Number: BHKVV  
=== Responsible Party ===  
Company Name:AMERICAN GAS AND CHEMICAL COMPANY.,LTD.  
Address:220 PEGASUS AVENUE  
City:NORTHVALE  
State:NJ  
ZIP:07647-1904  
Country  
:US  
Info Phone 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:NOT ESTABLISHED BY THE 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  
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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.

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Fire Fighting Measures  
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Flash Point Method

:PMCC

Flash Point:252F/122C

Extinguishing 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 VAPORS OR FUMES.

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

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Accidental Release Measures  
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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 PICKED UP BY VACUUM PUMPS,SHOVELS & PLACE IN DRUMS.

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Handling and Storage  
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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 P

recautions:DO NOT PRESSURIZE, CUT, 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 CLEAN SINCE RESIDUE IS DIFFICULT TO REMOVE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS IF NEEDED.

Ventilation:GOOD,GENRAL VENTILATION IS SUFFICIENT.

Protective Gloves:NON A

BSORBENT 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 SET OF TYPE I, METHOD B, LEVEL 3 UNDER MIL-I-25135E. PER QPL-25135-15, THE SET SHOULD CONSIST OF ONE CONTAINER OF AG-3D-FS PENETRANT AND TWO CONTAINERS OF AG

-FL EMULSIFIER. THIS ENTRY DESCR

IBES AG-3D-FS PENETRANT.SEE PNI B, THISNSN, FOR EMULSIFIER. KEY1:T6

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

HCC:T6

Boiling 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 REGULAT IONS.DO NOT INCINERATE EMPTY OR FILLD CANS.

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ormation 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.