

AMERICAN GAS AND CHEMICAL CO LTD -- FLAW-FINDER AG-3D-FS PENETRANT --  
6850-01-267-4345

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

Product ID:FLAW-FINDER AG-3D-FS PENETRANT  
MSDS Date:03/29/1988  
FSC:6850  
NIIN:01-267-4345  
MSDS Number: BHKWT  
=== Responsible Party ===  
Company Name:AMERICAN GAS AND CHEMICAL CO LTD  
Address:220 PEGASUS AVENUE  
City:NORTHVALE  
State:NJ  
ZIP:07647-1904  
Country:US  
Info Phone Num:800-5  
26-1008  
Emergency Phone Num:800-526-1008  
Preparer's Name:GEORGE KOSEL  
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:TRIPHENYL PHOSPHATE  
CAS:115-86-6  
RTECS #:TC8400000  
Fraction by Wt: 1.0%  
OSHA PEL:3 MG/M3  
ACGIH TLV:3 MG/M3; 9192

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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

Ingred Name:DICHLORODIFLUOROMETHANE (SARA III)  
CAS:75-71-8  
RTECS #:PA8200000  
OSHA PEL:1000 PPM  
ACGIH TLV:1000 PPM; 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS  
Ozone Depleting Chemical:1

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Hazards I  
dentification =====

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 STOMACH DISTRESS. INGESTION  
OF SMALL QUANTITIES IS USUALLY NON-FATAL UNLESS ASPIRATION OCCURS.  
ASPIRATION MAY LEAD TO CHEMICAL PNEUMONITIS.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:EYES: BURNING SENSATION, TEARI  
NG, REDNESS.  
SKIN: REDNESS, ITCHING, BURNING, RASH. INGESTION: NAUSEA, VOMITING,  
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. GIVE OXYGEN IF NEEDED; SKIN  
AND EYES: FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES. SEEK  
MEDICAL HE LP IF IRRITATION PERSISTS; INGESTION: DONOT INDUC

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VOMITING. IMMEDIATELY CALL A PHYSICIAN.

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Fire Fighting Measures  
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Flash Point Method:TCC

Flash Point:252F,122C

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

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:AEROSOL CANS MAY BURST OR EXPLODE WHEN EXPOSED OT FIRE OR EXCESSIVE HEAT.

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Accidental Release Measures  
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Spill Release Procedures:SEGREGATE LEAKING CONTAINERS. 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. DO NOT SEND AEROSO LS FOR INCINERATION.KEEP LEAKERS IN COVERED DRUMS

Neutralizing Agent:NONE

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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 AEROSOL CANS.DO NOT STORE OR HANDLE NEAR HEAT,SPARKS OR OXIDANTS.

Other Precautions: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 CLE AN 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 PEL/TLV EXCE EDED.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NEOPRENE, NITRILE, PVA

Eye Protection:SAFETY GLASSES/CHEMICAL SPLASH GOGGLES

Other Protective Equipment:IMPERVIOUS CLOTHING TO PREVENT REPEATED OR PROLONGED CONTACT. EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING.

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-2

5135-15, FLUORO- FINDER AG-3A-FW, AND

FLAW-FINDER AG-3D-FS PENETRANTS ARE TYPE I, METHOD C AND LEVEL 3 PRODUCTS. THIS ENTRY DESCRIBES FLAW-FINDER AG-3D-FS PENETRANT. SEE PNI B, THIS NSN, FOR FLUORO-FINDER AG-3A-FW PENETRANT

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

HCC:V2

Boiling Pt:B.P. Text:440F,227C

Vapor Pres:0.1 MM HG

Vapor Density:>1

Evaporation Rate & Reference: 95

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

Stability

Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH TEMPERATURES

Hazardous Decomposition Products:OXIDES OF CARBON

===== 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 AEROSOL CANS EMP

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OR FULL

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