

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-4B-FS PENETRANT --
6850-01-263-7245

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

Product ID:FLAW-FINDER AG-4B-FS PENETRANT
MSDS Date:01/03/1989
FSC:6850
NIIN:01-263-7245
MSDS Number: BHKVN
=== Responsible Party ===
Company Name:AMERICAN GAS AND CHEMICAL COMPANY.,LTD.
Address:220 PEGASUS AVENUE
City:NORTHVALE
State:NJ
ZIP:07647-1904
Country:US
Info P
hone 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
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===== 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 =====

Routes of Entry: Inhalation:NO Sk
in: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 T O CHEMICAL
PNEUMONITIS.

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

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.

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

F

irst 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 =====

Flash Point Method:PMCC

Flash Point:252F/122C

Extinguishing Media:REGULAR FOAM,WATER
FOG,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.

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===== 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 PICKED UP BY VACUUM PUMPS,SHOVELS & PLACE IN
DRUMS.

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

Handling and Storage Precautions:STORE IN A COOL DRY PLACE BELOW
120F.DO NOT PUNCTURE OR INCINERATE CONTAINERS.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 EX

POSE 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 =====

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

Ventilation:GOOD,GENERAL 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 TYPE I, METHOD C, LEVEL 4 PENETRANTS OF MIL-I-25135,REV E;
PER QPL-25135-15, THREE PENETRANTS SUCH AS AG-4B-FS, AG-4C-FW, AND
AG-4D-FW QUALIFY FOR THIS NSN. MFRG MAY SHIP ANY ONE OF THESE T O
MEET THE REQUIREMENTS.THIS ENTRY DESCR

IBES AG-4B-FS;SEE PNIND- B &

C FOR AG-4C-FW AND AG-4D-FW PENETRANTS RESPECTIVLY.

===== 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/PARTIALLY
FILLED CANS

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