

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-2-FS PENETRANT --  
6850-01-263-8218

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

Product ID:FLAW-FINDER AG-2-FS PENETRANT

MSDS Date:01/03/1989

FSC:6850

NIIN:01-263-8218

Kit Part:Y

MSDS Number: BHKYC

=== Responsible Party ===

Company Name:AMERICAN GAS AND CHEMICAL COMPANY.,LTD.

Address:220 PEGASUS AVENUE

City:NORTHVALE

State:NJ

ZIP:07647-1904

Country:U

S

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 W

t: 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 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 WITH  
POSSIBLE MODERATE CORNEAL INJURY. INGESTION MAY CAUSE NAUSEA,  
VOMITING, ETC...INGESTION OF SMALL QUANTITIES IS USUALLY NON-FATAL  
UNLESS ASPIRATION OCCURS. ASPIRATION MAY LEAD TO CHEMICAL  
PNEUMONITIS.  
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 MODERATE IRRITATION; EYES: MAY CAUSE CORNEAL  
INJURY; INGESTION:MAY CAUSE GASTROINTESTINAL  
IRRITATION,NAUSEA,VOMITING,DIARRHEA.  
Medical Cond Aggravated by Exposure:NONE CURRENTLY KNOWN.

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

First Aid:INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL HELP; SKIN AND  
EYES: FLU

SH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES. SEEK MEDICAL HELP IF IRRITATION PERSISTS; INGESTION: GIVE TWO (2) GLASSES OF WATER. DO NOT INDUCE VOMITING. CALL A PHYSICIAN IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:245F; 118.3C

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 VAPORS 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/WATERWAYS.LG SPILLS MAY BE PICKED 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 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.

===== 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 Pr

actices:ADHERE TO GENERAL INDUSTRIAL HYGIEN PRACTICE AT THE WORKPLACE.

Supplemental Safety and Health

NSN IS FOR SET OF TYPE I, METHOD B, LEVEL 2 UNDER MIL-I-25135E. PER QPL-25135-15, THE SET CONSISTS OF 1-55 GAL CONTAINER OF AG-2-FS PENETRANT AND 2-55 GAL CONTAINERS OF AG-FL EMULSIFIER. THIS ENTRY DE SCRIBES AG-2-FS PENETRANT. SEE PNI B, THIS NSN, FOR EMULSIFIER. KEY1:T6

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

HCC:T6

Boiling Pt:B.P. Text:440F/2

22CIB

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.

Disclaimer (provided with this information by the compiling agencies): This information 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.