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AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-4B-FS PENETRANT 6850-01-268-6695

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

Product ID:FLAW-FINDER AG-4B-FS PENETRANT

MSDS Date:01/03/1989

FSC:6850

NIIN:01-268-6695

MSDS Number: BHKZN === 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:N0RTHVALE

State:NJ

ZIP:07647-1904

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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

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

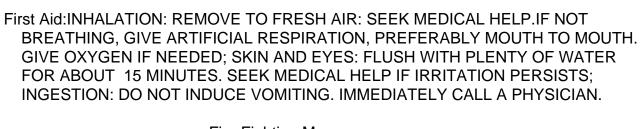
Health Hazards Acute and Chronic:ACUTE: CAUSES IRRITATION OF EYES, SKIN, RESPIRATORY TRACT; INGESTION MAY CAUSE NAUSEA, VOMITING, ETC...INGESTION OF SMALL QUANTITIES IS USUALLY NON-FATAL UNLESS ASPIRATION OCCURS. ASPIRATION MAY LEAD TO CHEMICAL PNEUMONITIS.

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

S 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.



Flash Point Method:PMCC Flash Point:252F/122C

Extinguishing Media:REGULAR FOAM,WAT ER 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.

======== Accidental Release Measures ===========

Spill Release Procedures:USE PROPER PERSONAL PROTECTION:REMOVE IGNITION SOURCES:RECOVER FREE LIQUID;USE SUITABLE INERT ABSORBENT SUCH A S

SAND,CLAY,ETC.TO ABSORB LIQUID.KEEP MATERIAL OUT OF SEWERS/WATER WAYS.LG SPILLS MAY BE P ICKED 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 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

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, GENERAL VENTILATION IS SUFFICIENT.

Protective Gloves: NON ABSORBENT GLOVES

Eye Protection:SAFETY GLASSES Other Protective Equipment:US

E 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 B, LEVEL 4 PENETRANTS OF MIL-I-25135,REV E; PER QPL-25135-15, AG-4B-FS PENETRANT QUALIFIES THE REQUIREMENTS FOR TYPE I, METHOD B, LEVEL 4 MATERIAL.

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

HCC:T6
Boiling Pt:B.P. Text:440F IBP
Vapor Pres:1.0(AIR=1
Spec Gravity:0.98

Evaporation Rate & Deference: 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 SHO

ULD 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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