

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLUORO-FINDER AG-4D-FW PENETRANT --  
6850-01-263-9778

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

Product ID:FLUORO-FINDER AG-4D-FW PENETRANT

MSDS Date:03/29/1988

FSC:6850

NIIN:01-263-9778

MSDS Number: BHKWQ

=== Responsible Party ===

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

Address:220 PEGASUS AVENUE

City:NORTHVALE

State:NJ

ZIP:07647-1904

Country:US

Inf

o 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

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ZIP:07647-1904

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===== Composition/Information on Ingredients =====

Ingred Name:"NOT HAZARDOUS"(MANUFACTURER STATED IN MSDS THAT ITEM  
CONTAINS NO HAZARDOUS INGREDIENTS ACCORDING TO 29CFR1910.

2000;HCR

Fraction by Wt: 100%

Other REC Limits:NOT STATED IN MSDS

===== Hazards Identification =====

LD50 LC50 Mixture:NONE 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, AND  
SKIN; INGESTION MAY CAUSE NAUSEA, VOMITING,ETC..

Effects of Overexposure:INHALATION: NO EVIDENCE OF ADVERSE EFFECTS FROM  
AVA

ILABLE INFORMATIO. SKIN: MAY CAUSE TEMPORARY REDDENING OR SLIGHT IRRITATION. EYES: CAUSES IRRITATION WITH POSSIBLE MODERATE CORNEAL INJURY. INGESTION : SLIGHT TOXIC! MAY CAUSE NAUSEA, AND/OR VOMITING.

Medical Cond Aggravated by Exposure:NONE CURRENTLY KNOWN.

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

First Aid:INHALATION: REMOVE TO FRESH AIR; SKIN AND EYES: FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES.SEEK MEDICAL HELP IF IRRITATION PERSISTS; IN GESTAMPION: DRINK TWO (2) GLASSES OF WATER AND INDUCE VOMITING. CALL A PHYSICIAN.

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

Flash Point Method:PMCC

Flash Point:383F, 195C

Extinguishing Media:USE CARBON DIOXIDE, DRY CHEMICAL MEDIA FOR SMALL FIRES. APPLY ALCOHOAL TYPE OR ALL-PURPOSE-TYPE FOAMS FOR LARGE FIRES.

Fire Fighting Procedures:DO NOT DIRECT A SOLID STREAM OF WATER OR FOAM INTO HOT, BURNING POOLS; THIS MAY CAUSE FROTHING.THIS MATERIAL MAY CAUS

E A FLOATING FIRE HAZARD. USE SCBA.

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

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

Spill Release Procedures:USE PROPER PERSONAL PROTECTION; RECOVER FREE LIQUID; USE SUITABLE INERT ABSORBENT SUCH AS SAND, CLAY, ETC..TO ABSORB LIQUID. THIS MATERIAL IS HIGHLY TOXIC TO FISH. AVOID DISCHARGE TO NATURAL WATERS. A VOID DRAINAGE OF LARGE SPILLS TO SEWERS.

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

Handling and Storage Precautions:STORE IN A COOL, DRY PLACE. KEEP CONTAINERS CLOSED AND 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.

===== Exposure Controls/Personal Protection =====

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

Ventilation:GENRAL V

ENTILATION 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

Supplemental Safety and Health

NSN IS FOR PENETRANTS OF TYPE I, METHOD A, LEVEL 4 OF

MIL-I-25135,REV:E. PER QPL-25135-15, THREE PENETRANTS AG-4B-FS,

AG-4C-FW, AND AG-4D-FW FROM AMERICAN GAS CHEMICAL COMPANY QUALIFY

FOR TYPE I, METH OD C,

LEVEL 4. THIS ENTRY IS OF AG-4D-FW

PENETRANT.SEE PNIND- A & B, FOR AG-4B-FS AND AG-4C-FW PENETRANTS RESPECTIVELY.

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

HCC:N1

Boiling Pt:B.P. Text:>482F,>250C

Decomp Temp:Decomp Text:>482F/>250C

Vapor Pres:0.01 MMHG

Vapor Density:>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:INCINERATE IN A FURNACE WHERE PERMITTED UNDER APPROPRIATE LOCAL,STATE AND FEDERAL REGULATIONS.AT VERY LOW CONCENTRAIONS(LESS THAN 10 PPM),THIS PRODUCT CAN BE BIODEGRADED IN A BIOLOGICAL WASTEWATER TRE ATMENT PLANT;AT HI-CONC.,IT CAUSES FOAMING P

ROBLM.

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