

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  
State:NJ  
ZIP:07647-1904  
Country:US  
Phone:201-767-7300  
CAGE:03530

===== 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; INGESTION: 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.

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.