

AMERICAN GAS AND CHEMICAL COMPANY.,LTD. -- FLAW-FINDER AG-RH CLEANER (PRE 3/90) --  
6850-00-826-0981

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

Product ID:FLAW-FINDER AG-RH CLEANER (PRE 3/90)

MSDS Date:01/03/1989

FSC:6850

NIIN:00-826-0981

Kit Part:Y

MSDS Number: BHHPP

=== 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:NORTHVALE

State:NJ

ZIP:07647-1904

Country:US

Phone:201-767-7300

CAGE:03530

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by W

t: 96.0%  
OSHA PEL:350 PPM/450 STEL  
ACGIH TLV:350 PPM/450STEL;9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF6400000  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:IRRITATION OF  
EYES,SKIN,RESPIRATO  
RY TRACT;HEADACHE,DIZZINESS,ANESTHETIC  
EFFECTS,CNS DEPRESSION; CHRONIC:DEFATTING,DERMATITIS; HEALTH  
STUDIES HAVE SHOWN THAT MANY HALOGENATED HYDROCARBONS POSE PO  
TENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON.  
Explanation of Carcinogenicity:MFRG STATED THAT 1,1,1-TRICHLOROETHANE  
HAS BEEN SUBJECTED TO A CARCINOGENESIS BIOASSAY BY NCI AND FOUND  
NOT A CARCINOGEN  
Effects of Overexposure:INHALATION:HIGH VAPOR CONC CAUSES  
IRRITATION,HEADACHE,DIZZINESS AND CNS

DEPRESSION;SKIN:PROLONGED/REPEATED CONTACT TENDS TO REMOVE SKIN OIL  
POSSIBLY LEADING TO IRRITATION AND DERMATITIS;EYES:LIQ CONTA CT MAY  
CAUSE IRRITATION;INGESTION:PRODUCT HAS LOW ORDER OF ACUTE ORAL  
TOXICITY.MINUTE QTY INSPIRATED IN LUNGS IS FATAL.  
Medical Cond Aggravated by Exposure:NONE REPORTED BY THE MANUFACTURER.  
HOWEVER,PRE-EXISTING CONDITIONS MAY BE WORSEN.

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

First Aid:INHALATION:REMOVE TO FRESH AIR:SE  
EK MEDICAL HELP.IF BREATHING  
IS IRREGULAR OR HAS STOPPED,START RESUSCINATION;ADMINISTER OXYGEN  
IF AVAILABLE; SKIN AND EYES:FLUSH WITH PLENTY OF WATER FOR ABOUT 15  
MINU TES.SEEK MEDICAL HELP IF IRRITATION PERSISTS;INGESTION:DO NOT  
INDUCE VOMITING.IMMEDIATELY CALL A PHYSICIAN.

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

Flash Point:NONE  
Lower Limits:7.5  
Upper Limits:15.0  
Extinguishing Media:FOAM,DRY CHEMICAL,CARBON DIOXIDE,WATER SPRAY OR  
FOG.  
Fire Fig

Handling Procedures:USE AIR SUPPLIED BREATHING EQUIPMENT FOR ENCLOSED AREA.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 ALL IGNITION SOURCES:RECOVER FREE LIQUID;USE SUITABLE INERT ABSORBENT MATERIAL SUCH AS SAND,SAWDUST,ETC.. TO ABSORB SPILLED

LIQUID.VENTILATE CONFINED SPACES.KEEP MATERIAL OUT OF SEWERS AND WATER COURSES.

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

Handling and Storage Precautions:STORE IN A COOL DRY PLACE BELOW 120F.DO NOT PUNCTURE OR INCINERATE AEROSOL CANS.DO NOT STORE OR HANDLE NEAR HEAT,SPARKS OR OXIDANTS.

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 E

Xplode AND CAUSE INJURY OR DEATH.DO NOT ATTEMPT TO CLEAN SINCE RESIDUE IS DIFFICULT TO REMOVE.

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATOR PROTECTION IN CONFINED AREA,IF NEEDED.

Ventilation:PROVIDE >60FPM HOOD FACE VELOCITY.LOCAL EXHAUST TO MAINTAIN PEL/TLV (USE EXPLOSION PROOF EQUIPMENT.)

Protective Gloves:USE CHEMICAL RESISTANT OTHER THAN RUBBER

Eye Protection:FACE SHIELD/SPLASH PROOF GOGGLES.

Other Protec

tive Equipment:USE CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING,IF NEEDED,TO AVOID CONTAMINATING REGULAR CLOTHING.EYE-WASH FAC

Supplemental Safety and Health

NSN MANAGED BY GSA IS A 3 PART KIT OF TYPE II,METHOD C;PER GSA ID,KIT CONSISTS OF 9-7 OZ AEROSOL CANS (3 CANS EACH OF PENETRANT,DEVELOPER,AND CLEANER);PER MIL-I-25135,REV E AND QPL-25135-14/15,THIS RE MOVER,AG-RH,IS QUALIFIED WITH PENETRANTAG-1-VS, & D-4 DEVELOPER,AG-DH;SEE PNI-A&B FOR PENETRANT & DEVELO

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

HCC:V2

Vapor Pres:100MMHG@20

Vapor Density:4.55

Spec Gravity:1.32 (BULK)

Evaporation Rate & Reference:1.33 (WATER=1) (BULK)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS LIQUID;SWEET ODOR

Percent Volatiles by Volume:>99%

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENT,STRONG CAUSTICS,REACTIVE METALS LIKE ALU  
MINUM.

Stability Condition to Avoid:EXTREME HEAT

Hazardous Decomposition Products:HYDROGEN CHLORIDE,SMALL AMOUNT OF  
PHOSGENE AND CHLORINE.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF RECOVERED MATERIAL AT AN APPROVED  
DISPOSAL SITE OR FACILITY.CAN BE RECLAIMED AND RECYCLED.ASSURE  
CONFORMITY WITH ALL APPLICABLE LOCAL,STATE AND FEDERAL DISPOSAL  
REGULATIONS.DO NOT INCINERATE AEROSOL CANS EMPTY OR FILLED.

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