

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

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

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

MSDS Date:03/30/1990

FSC:6850

NIIN:00-826-0981

Kit Part:Y

MSDS Number: BJNBB

=== Responsible Party ===

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

Address:220 PEGASUS AVENUE

City:NORTHVALE

State:NJ

ZIP:076

47-1904

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 b

y Wt: 96.0%
Other REC Limits:NONE SPECIFIED
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:CHLORODIFLUOROMETHANE
CAS:75-45-6
RTECS #:PA6390000
Fraction by Wt: 4.0%
OSHA PEL:1000 PPM
ACGIH TLV:1000PPM; 9192
Ozone Depleting Chemical:2

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OS
HA:NO

Health Hazards Acute and Chronic:ACUTE: IRRITATION OF EYES, SKIN,
RESPIRATORY TRACT; HEADACHE, DIZZINESS, ANESTHETIC EFFECTS, CNS
DEPRESSION; CHRONIC: DEFATTING, DERMATITIS; HEALTH STUDIES HAVE
SHOWN THAT MANY HALOGENATED HYDROCARBONS POSE POTENTIAL 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 CONTACT 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: SEEK MEDICAL HELP. IF BREATHING IS IRREGULAR OR HAS STOPPED, START RESUSCITATION AND ADMINISTER OXYGEN IF AVAILABLE; SKIN AND EYES: FLUSH WITH PLENTY OF WATER FOR ABOUT 15 MINUTES. SEEK MEDICAL HELP IF IRRITATION PERSISTS. INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY CALL A PHYSICIAN.

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

Flash Point:NONE

Lower Limit

s:7.5

Upper Limits:15.0

Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER SPRAY OR FOG.

Fire Fighting 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 EXPLODE 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)

PMENT.)

Protective Gloves:USE CHEMICAL RESISTANT OTHER THAN RUBBER

Eye Protection:FACE SHIELD/SPLASH PROOF GOGGLES.

Other Protective Equipment:USE CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING, IF NEEDED, TO AVOID CONTAMINATING REGULAR CLOTHING.

Work Hygienic Practices:WASH THOROUGHLY AFTER EACH USE.

Supplemental Safety and Health

AG-RH CLEANER IS CLASS 1 REMOVER OF MIL-I-25135. PER MFRG, PROPELLANT HAS BEEN SWITCHED FROM CARBON DIOXIDE TO FREON 22 EFFECTIVE MARCH 90. PER

MIL-I-25135,REV E AND QPL-25135-14/15,THIS REMOVER,AG-RH ,IS QUALIFIED WITH FORM-D DEVELOPER ANDTYPE II,METH C PENETRANT. SEE PNIND C FOR OLD CLEANER DATA. KEY1:J7

===== 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%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENT, STRONG CAUSTICS, REACTIVE METALS LIKE ALUMINUM.

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 REC

YCLED. ASSURE

CONFORMITY WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL DISPOSAL REGULATIONS. DO NOT INCINERATE EMPTY OR PARTIALLY FILLED AEROSOLCANS.

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