

MET-L-CHEK COMPANY -- R-501 REMOVER -- 6850-00-782-2740

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

Product ID:R-501 REMOVER

MSDS Date:03/15/1989

FSC:6850

NIIN:00-782-2740

Kit Part:Y

MSDS Number: BFPPT

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID STREET

City:SANTA MONICA

State:CA

ZIP:90404-3723

Country:US

Info Phone Num:213-450-1111

Emergency Phone Num:213-450-1111

CAGE:98

733

=== Contractor Identification ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID ST

Box:00000

City:SANTA MONICA

State:CA

ZIP:90404

Country:US

Phone:310-450-1111/FAX 310452-4046

CAGE:98733

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

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

CAS:71-55-6

RTECS #:KJ2975000

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 Nam

e:CARBON DIOXIDE  
CAS:124-38-9  
RTECS #:FF5400000  
OSHA PEL:5000 PPM  
ACGIH TLV:5000PPM/30000STEL;93

===== 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:MATERIAL IS PRIMARILY CNS DEPRESSANT.  
INHALATION CAN CAUSE IRRITATION OF RESP TRACT SYSTEM.SKIN OR EYES  
CONTACT MAY RESULT IN DISCOMFORT,PAIN AND IRRITATION. SWALLOWING  
MAY RESU  
LT IN IRRITATION OF THE MOUTH AND GI TRACT.  
Effects of Overexposure:EYES: MAY CAUSE IRRITATION; SKIN: SLIGHT  
IRRITATION ON CONTACT WITH LIQUID.MAY CAUSE DERMATITIS; INHALATION:  
VAPORS MAY IRRITATE RESP TRACT. CAUSES  
DIZZINESS,HEADACHE,DISCOMFORT,PAIN OR IRRITATION OF MOUTH. MAY  
CAUSE NAUSEA WITH VOMITING. INGESTION: MAY CAUSE IRRITATION OF GI  
TRACT.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PROD  
UCT. MAY CAUSE  
DERMATITIS.

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

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES.GET MEDICAL  
HELP IF IRRITATION OCCURS OR PERSISTS; SKIN: FLUSH WITH WATER.WASH  
WITH LUKE WARM WATER & SOAP.GET MEDICAL HELP FOR PERSISTING  
IRRITATION; IN HALATION: REMOVE TO FRESH AIR.IF NOT BREATHING,GIVE  
ARTIFICIAL RESPIRATION.GET MED ASST IF NEEDED; INGESTION: IF  
SWALLOWED, DO NOT INDUCE VOMITING. IMMEDIATELY GET MED  
ICAL  
ASSISTANCE.

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

Flash Point:NONE  
Lower Limits:7 %  
Upper Limits:15 %  
Extinguishing Media:PER MFR,USE WATER,DRY CHEMICAL OR CARBON DIOXIDE.  
Fire Fighting Procedures:WEAR NIOSH-APPROVED PRESSURE DEMAND  
SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:PER MANUFACTURER,VAPORS CONCENTRATED IN  
CONFINED/POORLY VENTILATED AREA CAN BE IGNITED UPON CONTACT WITH  
HIGH ENERGY SPARK,FLAME OR HIGH INTENSITY

HEAT SOURCE.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES.PROVIDE MAX VENTILATION.WEAR EYE,SKIN,AND RESPIRATORY PROTECTION.SOAK UP WITH ABSORBENT SUCH AS SAW DUST OR VERMICULITE.SWEEP UP AREA. AVOID DUSTING.KEEP WASTE IN SEALED CON TAINERS PENDING DISPOAL INSTRUCTIONS.DONOT FLUSH.

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

Handling and Storage Precautions:KEEP AWAY FROM SOURCES OF

HEAT/IGNITION.STORE IN COOL,DRY & VENTILATED AREA.DO NOT STORE NEAR OXIDIZING MATERIAL;AVOID PHYSICAL DAMAGE TO CONTAINERS.

Other Precautions:MINIMIZE SKIN CONTACT.AVOID BREATHING VAPORS.USE ONLY WITH ADEQUATE VENTILATION.AVOID PROLONGED & REPEATED CONTACT WITH SKIN.DO NOT SWALLOW.VAPORS ARE HEAVIER THAN AIR WILL COLLECT IN LOW AREAS.DO NOT ENTER WITHOUT RESPIRATORY PROTECTION.

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

Respiratory Protection:N

OT NEEDED IN NORMAL CONDITIONS OR USES WHEN

VAPORS/MIST CONCENTRATIONS ARE BELOW TLV/PEL LIMITS.WEAR NIOSH APPROVED ORGANIC VAPOR CHEMICAL CARTRIDGE OR CANISTER TYPE RESPIRATOR WHEN TLV EXCEEDS OR IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL

Ventilation:LOCAL EXHAUST OR MECHANICAL(GENERAL) TO MAINTAIN TLV OR BELOW TLV LIMITS.

Protective Gloves:VITON

Eye Protection:SPLASH-PROOF GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT APRON TO PREVENT CLOTHING/SKIN CONTACT.

Wor

k Hygienic Practices:WASH HANDS WITH SOAP & WATER BEFORE EATING, SMOKING OR USING TOILET FACILITIES;DO NOT EAT/DRINK IN VAPOR CONTMNTD AREA.

Supplemental Safety and Health

NSN OF 3 PARTS KIT UNDER TYPE I,METH C, LEVEL 3 OF MIL-I25135,REV D;KIT CONSISTS OF PENETRANT,DEVELOPER,& REMOVER;1/A/W QPL-25135-15,THE MET-L-CHEK KIT MAY HAVE (1)FP-95,FP-98,OR FP-99 PENETRANT,(2) R -501 REMOVER,& (3) D-701 OR D-703 DEVELOPER;KEY1:J7;THIS ENTRY DESCRIBES:R-501 REMOVR.

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

HCC:V2

Boiling Pt:=72.C, 161.6F

Vapor Pres:135MM@25C

Vapor Density:4.54

Spec Gravity:1.300 TO 1.320

Evaporation Rate & Reference:0.35 (ETHYL ETHER = 1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:MILKY WHITE LIQUID WITH ETHER-LIKE ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIAL,CAUSTIC SODA,CAUSTIC POTASH.

Stability Condition to Avoid:SOURCE O

F HEAT/IGNITION. AVOID EXPOSURE TO

OXIDIZING MATERIALS.

Hazardous Decomposition Products:HYDROGEN CHLORIDE AND POSSIBLY TRACES  
OF PHOSGENS.

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

Waste Disposal Methods:PER MANUFACTURER, THE WASTE MUST BE DISPOSED OF  
IN A PERMITTED HAZARDOUS WASTE MANAGEMENT FACILITY IN FULL  
COMPLIANCE WITH ALL FEDERAL STATE & LOCAL REGULATIONS.

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