

D-701 DEVELOPER

MSDS Number

BGSVP

National Stock Number

6850-01-264-8679

Product Name

D-701 DEVELOPER

Manufacturer

MET L CHEK COMPANY

Product Identification

Product ID:D-701 DEVELOPER

MSDS Date:03/15/1989

FSC:6850

NIIN:01-264-8679

MSDS Number: BGSVP

Responsible Party

MET-L-CHEK COMPANY

1639 EUCLID STREET

SANTA MONICA , CA 90404-3723

US

Emergency Phone: 213-450-1111

Info Phone: 213-450-1111

Cage: 98733

Contractor

MET-L-CHEK COMPANY

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SANTA MONICA, CA 90404

US

310-450-1111/FAX 310452-4046

Cage: 98733

Ingredients

METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS: 71-55-6

RTECS: KJ2975000

Fraction By Weight:

OSHA PEL350 PPM/450 STEL

ACGIH TLV: 350 PPM/450STEL;9192

EPA Report Quantity: 1000 LBS

DOT Report Quantity: 1000 LBS

Hazards

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE EYE & SKIN

IRRITATION. MAY CAUSE RESPIRATORY TRACT IRRITATION. CENTRAL NERVOUS

SYSTEM DEPRESSANT. LOSS OF CONSCIOUSNESS AND EVEN DEATH CAN OCCUR AT HIGH LEVELS OF EXPOSURE.

Explanation of Carcinogenicity: DATA PER MSDS

Effects of Overexposure: EYES: MAY CAUSE IRRITATION; SKIN: SLIGHT IRRITATION ON CONTACT WITH LIQUID. MAY CAUSE DERMATITIS; INHALATION: VAPORS MAY IRRITATE RESP TRACT. CAUSES DIZZ, & HEADACHE. PROGRESSIVELY HIGHER EXPOSURE OVER 1000 PPM CAN CAUSE CNS DEPRESSION, UNCONSCIOUSNESS OR EVEN DEATH; INGESTION: MAY RESULT IN MOUTH IRRIT AND VOMITING.

Medical Cond Aggravated by Exposure: PRE-EXISTING SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. MAY CAUSE DERMATITIS.

First Aid

First Aid: INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN. EYE: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL AT TENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER PROMPTLY. INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR USP MINERAL OIL. GET IMMEDIATE MEDICAL ATTENTION.

Fire Fighting

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

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 CONTAINERS PENDING DISPOSAL INSTRUCTIONS. DO NOT FLUSH.

Handling

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

Respiratory Protection: NOT 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.

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

Supplemental Safety and Health

NSN IS FOR TYPE I, FORM D DEVELOPER UNDER MIL-I-25135, REV D; I/A/W QPL-25135-15 THE MANUFACTURER MAY SUPPLY ONE OF THE FOLLOWING DEVELOPERS FOR THE NSN: (1) D-70 DEVELOPER, (2) D-701, OR (3) D-703

DEVELOPE R;THIS ENTRY IS OF D-701 DEVELOPER.

Chemical Properties

HCC:T4
Boiling Pt:B.P. Text:161.6F/72C
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

Stability Indicator/Materials to Avoid:YES
OXIDIZING MATERIAL,CAUSTIC SODA,CAUSTIC POTASH.
Stability Condition to Avoid:SOURCE OF HEAT/IGNITION. AVOID EXPOSURE TO
OXIDIZING MATERIALS.
Hazardous Decomposition Products:WHEN INVOLVED IN FIRE,
1,1,1-TRICHLOROETHANE EMITS HIGHLY TOXIC AND IRRITATING HYDROGEN
CHLORIDE AND PHOSGENE FUMES.

Disposal

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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