

D-70 DEVELOPER

MSDS Number

CJDLP

National Stock Number

6850-00-160-8480

Product Name

D-70 DEVELOPER

Manufacturer

MET L CHEK COMPANY

Product Identification

Product ID:D-70 DEVELOPER

MSDS Date:01/01/1997

FSC:6850

NIIN:00-160-8480

Status Code:A

MSDS Number: CJDLP

Responsible Party

MET-L-CHEK COMPANY

1639 EUCLID STREET

SANTA MONICA , CA 90404

US

Emergency Phone: 310-450-1111

Info Phone: 310-450-1111

Cage: 98733

Contractor

MET-L-CHEK COMPANY

00000

SANTA MONICA, CA 90404

US

310-450-1111/FAX 310452-4046

Cage: 98733

Ingredients

ISOPROPYL ALCOHOL (SARA 313)

CAS: 67-63-0

RTECS: NT8050000

OSHA PEL400 PPM

ACGIH TLV: 400 PPM/500STEL;9596

BUTANE-PROPANE-ISOBUTANE MIXTURE (PROPELLANT)

Hazards

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS,
RESPIRATORY & GI TRACTS. ACUTE- MAY CAUSE EYE IRRITATION.

PROLONGED/REPEATED SKIN CONTACT CAN CAUSE DRYNESS & MILD

IRRITATION. EXCESSIVE INHALATION CAN CAUSE IRRITATION, CNS DEPRESSION. LOW ORDER OF ORAL ACUTE TOXICITY. CHRONIC- UNKNOWN. Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN BY IARC, NTP OR REGULATED AS SUCH BY OSHA.

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA, VOMITING, DROWSINESS, REDNESS, TEARNING, BLURRED VISION, SKIN DRYNESS

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE AGGRAVATED.

First Aid

First Aid:FLUSH EYES WITH WATER. REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION. INDUCE VOMITING IF VICTIM HAS INGESTED MATERIAL AND IS CONSCIOUS.

Fire Fighting

Flash Point Method:TCC

Flash Point:=-37.8C, 100.F

FLAMMABL AEROSOL

Lower Limits:2%

Upper Limits:12%

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE (CO2), ALCOHOL FOAM OR DRY CHEMICAL. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE-EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:SPRAY CANS UNDER PRESSURE. EXTREMELY FLAMMABLE. EXPLOSION HAZARD EXISTS WHEN SPRAY CANS HEATED. DO NOT ENTER SPRAY CAN STORAGE AREA IF FIRE PRESENT.

Accidental Release

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SOAK UP RESIDUE WITH ABSORBENT CLAY, SAND AND DISPOSE AS AN IGNITABLE HAZARDOUS WASTE ACCORDING TO LATEST EPA OR STATE REGULATIONS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Other Precautions:"EMPTY" CONTAINERS RETAIN RESIDUE AND MAY BE DANGEROUS. FOLLOW ALL LABEL INSTRUCTIONS. AVOID REPEATED/PROLONGED SKIN CONTACT. KEEP OUT OF REACH OF CHILDREN. DO NOT BREATHE VAPORS. DO NOT STORE IN ALU MINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.

Exposure Controls

Respiratory Protection:IF EXPOSURE EXCEEDS LIMITS, USE NIOSH-APPROVED RESPIRATOR.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:CHEMICAL RESISTANT.

Eye Protection:CHEMICAL SAFETY GOGGLES IF LIKELYHOOD OF CONTACT.

Other Protective Equipment:AS REQUIRED TO MINIMIZE CONTACT.EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH WITH SOAP & WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS SEE MFN, 1,2,3,4 SAME NSN.

Chemical Properties

HCC:V3

Boiling Pt:=-82.C, 179.6F

Melt/Freeze Pt:=-88.3C, -127.F

Vapor Pres:33(LIQUID)

Vapor Density:2.1
Spec Gravity:0.8 LIQUID
Evaporation Rate & Reference:1.4 (N-BUTYL ACETATE=1)
Solubility in Water:LIQUID IS SOLUBLE
Appearance and Odor:WHITE, MILKY SUSPENSION - MILD ODOR

Stability

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:AVOID HIGH HEAT, FLAMES, SPARKS.
Hazardous Decomposition Products:CARBON MONOXIDE AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED.
Conditions to Avoid Polymerization:AVOID HIGH HEAT, FLAMES, SPARKS AND STRONG OXIDIZERS.

Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT PUNCTURE, INCINERATE SPRAY CANS. PLACE IN NON-LEAKING CONTAINERS, SEAL AND DISPOSE AS IGNITABLE HAZARDOUS WASTE ACCORDING TO LATEST EPA OR STATE REGULATIONS.

Toxicology

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

Other Information

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.

Ecology

Ecological:NONE SPECIFIED BY MANUFACTURER.

Transport

Transport Information:NONE SPECIFIED BY MANUFACTURER.

Regulatory

SARA Title III Information:NONE SPECIFIED BY MANUFACTURER.
Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.
State Regulatory Information:DETECTABLE AMOUNTS OF SOME CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM MAY BE FOUND IN VARIOUS PRODUCTS YOU PURCHASE FROM MET-L-CHEK, IN THEIR VAPORS OR FROM THEIR USE.