

MET-L-CHEK COMPANY -- D-70 DEVELOPER -- 6850-00-160-8480

=====
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 ===
Company Name:MET-L-CHEK COMPANY
Address:1639 EUCLID STREET
City:SANTA MONICA
State:CA
ZIP:90404
Country:US
Info Phone Num:310-450-1111
Emergency Phone Num:310-450-1111
Chemtre
c Ind/Phone:(800)424-9300
CAGE:98733
=== 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
Contract Num:SP0450-99-M-C322
CAGE:98733

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

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9596

Ingred Name:BUT

ANE-PROPANE-ISOBUTANE MIXTURE (PROPELLANT)

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

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 Measures =====

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 Measures =====

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 EXPO
SED 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 Measures =====

Spill Release Procedures:ELIMINATE ALL IGNITION SOURCES. HANDL

ING

EQUIPMENT MUST BE GROUNDED TO PREVENT SPARKING. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SOAK UP RESIDUE WITH ABSORBENT CLAY, SAND AND DISPOSE AS IGNITABLE HAZARDOUS WASTE ACCORDING TO LATEST EPA OR STATE REGULATIONS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

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 ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.

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

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.

=====
===== Physical/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 and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
AVOI

D 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.

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Eco
logical:NONE SPECIFIED BY MANUFACTURER.

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

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.

===== MSDS Transport Information =====

Transport Information:NONE SPECIFIED BY MANUFACTURE
R.

===== Regulatory Information =====

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 O R FROM THEIR USE.

===== 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.