

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

MSDS Number: BXTGV

=== 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

Chemtrec 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-NH74

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:BUTANE

CAS:106-97-8

RTECS #:EJ4200000

ACGIH TLV:1900 MG/M3;800 PPM

Ingred Name:PR

OPANE
CAS:74-98-6
RTECS #:TX2275000
OSHA PEL:1800 MG/M3;1000 PPM

Ingred Name:ISOBUTANE
CAS:75-28-5
RTECS #:TI4300000

===== 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. E
XCESSIVE INHALATION CAN CAUSE IRRITATION, CNS
DEPRESSION. LOW ORDER OF ORAL ACUTETOXICITY. CHRONIC- UNKNOWN.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA,
VOMITING, DROWSINESS, REDNESS, TEARNING, BLURRED VISION, SKIN
DRYNESS
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE
MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

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

First Aid:GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH
AIR. PROVIDE CPR/OXYGEN IF NEEDED. EYES:IMMEDIATELY FLUSH WITH
WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH PLENTY OF
SOAP & WATE R. ORAL:IF CONSCIOUS, INDUCE VOMITING. SEEK IMMEDIATE
MEDICAL ATTENTION.

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

Flash Point Method:TCC
Flash Point:=11.7C, 53.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 Measures =====

Spill Release Procedures:LEAKING CONTAINERS SHOULD BE PLACED OUTDOORS, IN AN OPEN CONTAINER, AWAY FROM SOURCES OF IGNITION. ALLOW PRESSURE TO DISSIPATE. VENTILATE AREA. ABSORB LIQUID WITH NON-FLAMMABLE ABSORBENT MATERIALS AND PLACE IN CONTAINER FOR DISPOSAL.
Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE SPRAY CANS IN COOL, WELL VENTILATED AREAS AWAY FROM SOURCES OF IGNITION AND STRONG OXIDIZING AGENTS. DO NOT STORE ABOVE 120F.
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.

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

Respiratory Protection:IF EXPOSURE EXCEEDS LIMITS,USE NIOSH-APPROVED RESPIRATOR
Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST: EXPLOSION-PROOF TO MAINTAIN TLV.
Protective Gloves:CHEMICAL RESISTANT
Eye Protection:GOGGLES IF THERE IS LIKLIHOOD OF CONTACT.
Other Protective Equipment:EYE WASH FOUNTAINS & SAFETY SHOWERS SHOULD BE AVAILABLE.
Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.
Supplemental Safety and Health
FORMULA CHANGED. FOR PREVIOUS FORMULATIONS SEE PNI A, B

AND C, SAME
NSN.

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

HCC:V3
NRC/State Lic Num:NOT RELEVANT
Boiling Pt:=82.2C, 180.F
Melt/Freeze Pt:=-88.3C, -127.F
Vapor Pres:33@68F
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
DO NOT STORE OR HANDLE IN ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F
Stability Condition to Avoid:HEAT SPARKS, FLAMES,CONTACT WITH STRONG
OXIDIZING AGENTS
Hazardous Decomposition Products:CARBON MONOXIDE, UNIDENTIFIED ORGANIC
COMPOUNDS
Conditions to Avoid Polymerization:AVOID HEAT SPARKS, FLAMES & CONTACT
WITH STRONG OXIDIZING AGENTS

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE
AND
FEDERAL REGULATIONS. DO NOT PUNCTURE, INCINERATE SPRAY CANS.

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