

MET-L-CHEK COMPANY -- D-70 DEVELOPER -- 6850-00-145-0255

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

Product ID:D-70 DEVELOPER

MSDS Date:01/01/1997

FSC:6850

NIIN:00-145-0255

Status Code:A

Kit Part:Y

MSDS Number: CKTQD

=== 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:310-450-1

111/800-424-9300(CHEMTREC)

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-C619

CAGE:98733

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-C833

CAGE:98733

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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

Other REC Limits:NONE RECOMMENDED

OSHA PEL:800 PPM

ACGIH TLV:800 PPM; 9596

Ingred Name:PROPANE

CAS:74-98-6

RTECS #:TX2275000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1000 PPM

ACGIH TLV:ASPHYXIAN; 9596

Ingred Name:ISOBUTANE

CAS:75-28-5

RT

ECS #:TZ4300000

Other REC Limits:NONE RECOMMENDED

===== 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:INHALATION: MAY CAUSE MILD IRRITATION.

SKIN: MILDLY IRRITATING. INGESTION: LOW ORDER OF ACUTE TOXICITY.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION OR EYES, SKIN OR NOSE AND

RESPIRATORY TRACT. EARLY TO

MODERATE CNS DEPRESSION MAY BE

EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS, NAUSEA,

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, EYE AND

RESPIRATORY DISORDERS MAY BE AGGRAVATED.

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

First Aid:FLUSH EYES OR SKIN WITH WATER. REMOVE VICTIM TO FRESH AIR.

GET MEDICAL ATTENTION. INDUCE VOMITING IF VICTIM HAS INGESTED

MATERIAL AND IS CONSCIOUS.

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

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Flash Point Method:TCC

Flash Point:=-73.3C, -100.F

FLAMMABL AEROSOL

Lower Limits:2%

Upper Limits:12%

Extinguishing Media:USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CARBON DIOXIDE. WARNING FLAMMABLE.

Fire Fighting Procedures:CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BUNKER GEAR.

Unusual Fire/Explosion Hazard:CONTAINERS EXPOSED TO INTENSE HEAT FROM FIRES SHOULD BE COOLED WITH WATER TO PREVENT VAPOR PRESSURE BUILDUP WHICH COULD RESULT IN CONTAINER RUPTURE.

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

Spill Release Procedures:WARNING-FLAMMABLE. ELIMINATE ALL IGNITION SOURCES. HANDLING EQUIPMENT MUST BR GROUNDED TO PREVENT SPARKING. WEAR APPROPRIATE RESPIRATOR AND PROTECTIVE CLOTHING. SOAK UP RESIDUE WITH ABSORBENT CLAY, SA ND OR OTHER MATERIAL.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT, SPARKS, AND

FLAMES. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES.

Other Precautions:DO NOT STORE OR HANDLE IN ALUMINUM EQUIPMENT AT TEMPERATURE ABOVE 120F.

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

Respiratory Protection:IF EXPOSURE EXCEEDS LIMIT IN INGREDIENTS SECTION, USE NIOSH-APPROVED RESPIRATOR.

Ventilation:LOCAL EXHAUST: TO MAINTAIN TLV. MECHANICAL: TO MAINTAIN TLV. I

Protective Gloves:CHEMICAL RESISTANT.

Eye Protecti

on:GOGGLES IF THERE IS LIKELIHOOD OF CONTACT.

Other Protective Equipment:AS REQUIRED TO MINIMIZE CONTACT.

Work Hygienic Practices:MINIMIZE CONTACT. EYE WASH FOUNTAINS AND SAFETY SHOWERS SHOULD BE AVAILABLE.

Supplemental Safety and Health

THIS PRODUCT IS A KIT CONSISTING OF THREE PARTS. EACH KIT SHALL CONTAIN THE FOLLOWING AEROSOL CAS: 2 EACH ENSPECTION PENETRANT, 4 EACH INSPECTION PENETRANT DEVELOPER, 6 EACH INSPECTION PENETRANT REMOVER; UNIT KIT CONTAINS 12 AEROSOL CANS.

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===== 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(LIQUID)

Vapor Density:2.1

Spec Gravity:~0.8 LIQUID

Evaporation Rate & Reference:1.4 (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 STOR

E OR HANDLE IN ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.

Stability Condition to Avoid:AVOID HEAT, SPARKS, FLAMES AND CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:CARBON MONOXIDE, AND UNIDENTIFIED ORGANIC COMPOUNDS MAY BE FORMED.

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

Waste Disposal Methods:PLACE IN NON-LEAKING CONTAINERS, SEAL AND DISPOSE OF AS IGNITABLE HAZARDOUS WASTE ACCORDING TO LATEST EPA OR STATE REGULATIONS

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

State Regulatory Information: CALIFORNIA PROPOSITION 65

NOTICE-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 MAY RESULT FROM THEIR USE. READ & FOLLOW LABEL DIRECTIONS & INFORMATION GIVEN ON THE MATERIAL SAFETY DATA SHEETS, AND USE CARE WHEN HANDLING OR USING ALL NON-DESTRUCTIVE TEST

CHEMICAL PRODUCTS. FOR FURTHER INFORMATION, CONTACT THE MET-L-CHEK COMPANY, 1639 EUCLID STREET, SANTA MONICA, CA 90404.

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===== Other Information =====

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