

MET-L-CHEK COMPANY -- D-70 DEVELOPER -- 6850-01-316-9383

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

Product ID:D-70 DEVELOPER

MSDS Date:03/15/1989

FSC:6850

NIIN:01-316-9383

Kit Part:Y

MSDS Number: BWCJH

=== 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:310-450-1111/800-424-930

0(CHEMTREC)

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

CAGE:98733

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)

CAS:67-63-0

RTECS #:NT8050000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:400 PPM

ACGIH TLV:400 PPM/500STEL;9394

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

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Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHAL:MAY CAUSE MILD IRRITATION.
SKIN:MILDY IRRITATING. INGEST:LOW ORDER OF TOXICITY. IRRITATION OF
EYES, SKIN, OR NOSE & RESP TRACT. EARLY TO MODERATE CNS DEPRESSION
MAY BE EVIDENCED BY GIDDINESS, HE ADACHE, DIZZINESS, NAUSEA.
Explanation of Carcinogenicity:PER MSDS:CARCINOGENICITY:NTP/IARC:NOT
AVAILABLE. OSHA:NO.

Effects of Ov
erexposure:IRRITATION OF EYES, SKIN OR NOSE & RESP TRACT.
EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS,
HEADACHE, DIZZINESS, NAUSEA.

Medical Cond Aggravated by Exposure:PRE-EXITING SKIN, EYE, AND
RESPIRATAORY DISORDERS MAY BE AGGRAVATED.

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

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

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

Fla
sh Point Method:TCC
Flash Point:53.0F,11.7C
Lower Limits:2
Upper Limits:2
Extinguishing Media:USE WATER FOG, "ALCOHOL" FOAM, DRY CHEMICAL OR CO2.
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 PREVETN VAPOR PRESSURE BUILDUP
WHICH COULD RESULT IN CONTAINER RUPTURE.

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

Spill Release Procedures:WARNING.FLAMMABLE.ELIMINATE ALL IGNITION
SOURCES.HANDLING EQPMT MUST BNE GROUNDED TO PREVETN SPARKING.WEAR
APPROPRIATE RESP & PROT CLOTHING.SOAK UP RESIDUE W/ABSORBENT
CLAY/SAND/OR OTHER MATERIAL.PLAC E IN NON-LEAKING CONTAINERS,SEAL.
Neutralizing Agent:NONE SPECIFIED BY MFG.

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT/SPARKS/

FLAME. WASH

WITH SOAP & WATER BEFORE EATING/DRINKING/SMOKING/USING TOILET FACILITIES.

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

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

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

Ventilation:LOCAL EXHAUST & MECHANICAL (GENERAL) EXPLOSION PROOF TO MAINTAIN TLV.

Protective Gloves:CHEMICAL RESISTANT.

Eye Protection:GOGGLES IF CONTACT IS LIKELIHOOD.

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

Work Hygienic Practices:MINIMIZE CONTACT.

Supplemental Safety and Health

KIT CONSISTS OF 3 PARTS, PART A (E-59 REMOVER), PART B (D-70 DEVELOPER), PART C (VP-301 HF VISIBLE PENETRANT) SAME NSN. HCC FOR PART B:F3.

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

HCC:F2

Boiling Pt:B.P. Text:180F,82C

Melt/Freeze Pt:M.P/F.P Text:-127F,-88C

Vapor Pres:33 @68F

Vapor Density:2.1

Spec Gravity:0.8

Evaporation Rate & Reference:1.4, (N-BUTYL ACETATE=1)

Solubility in Water:LIQUID PART IS SOLUB

Appearance and Odor:WHITE, MILKYT SUSPENSION, MILD ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

DO NOT STORE OR HANDLE IN ALUMINUM EQPMT AT TEMP >120F.

Stability Condition to Avoid:AVOID HEAT, SPARKS, FLAME & CONTACT WITH STRONG OXIDIZING AGENTS.

Hazardous Decompositio

n Products:CARBON MONOXIDE AND UNIDENTIFIED
ORGANIC COMPOUNDS MAY BE FORMED.

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

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

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