

## **D-70 DEVELOPER**

### **MSDS Number**

BMTNY

### **National Stock Number**

6850-00-963-5408

### **Product Name**

D-70 DEVELOPER

### **Manufacturer**

MET L CHEK COMPANY

### **Product Identification**

Product ID:D-70 DEVELOPER

MSDS Date:03/15/1989

FSC:6850

NIIN:00-963-5408

MSDS Number: BMTNY

### **Responsible Party**

MET-L-CHEK COMPANY

1639 EUCLID ST

SANTA MONICA , CA 90404-3770

US

Emergency Phone: 213-450-1111

Info Phone: 213-450-1111

Cage: 98733

### **Contractor**

MET-L-CHEK COMPANY

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SANTA MONICA, CA 90404

US

310-450-1111/FAX 310452-4046

Cage: 98733

### **Ingredients**

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

### **Hazards**

LD50 LC50 Mixture:ORAL LD50 (RAT) = 5840 MG/KG

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

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

Health Hazards Acute and Chronic:ACUTE: OVEREXPOSURE MAY LEAD TO CNS DEPRESSION. EYE: MAY LEAD TO IRRITATION AND WILL INJURE EYE TISSUE IF NOT REMOVED PROMPTLY. SKIN: NO HEALTH HAZARD FROM ABSORPTION OR EXPOSURE. INGESTION: MILD GI T RACT IRRITATION. CHRONIC: PROLONGED EXPOSURE CAN BE IRRITATING TO MUCOUS MEMBRANES.

Explanation of Carcinogenicity:THIS CHEMICAL IS NOT LISTED AS HAVING

ANY EVIDENCE OF BEING CARCINOGENIC.

Effects of Overexposure:OVEREXPOSURE MAY LEAD TO DIZZINESS, SHORTNESS OF BREATH, HEADACHES, DERMATITIS AND EYE IRRITATION. HIGH VAPOR CONCENTRATIONS ARE ANESTHETIC AND MAY HAVE OTHER CENTRAL NERVOUS SYSTEM EFFECTS.

Medical Cond Aggravated by Exposure:PERSONS WITH SKIN, HEART, RESPIRATORY, OR EYE CONDITIONS SHOULD USE CAUTION WHEN HANDLING OR USING THIS PRODUCT.

## First Aid

First Aid:SKIN: REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. GET MEDICAL ATTENTION AS REQUIRED. INHALATION: IMMEDIATELY REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION AS NEEDED. GET PROMPT MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH WITH WATER FOR 20 MINUTES WITH EYELIDS HELD OPEN. GET PROMPT MEDICAL ATTENTION. INGESTION: GET PROMPT MEDICAL ATTENTION. DO NOT INDUCE VOMITING.

## Fire Fighting

Flash Point Method:TCC

Flash Point:-100F,-73C

Lower Limits:2%

Upper Limits:2%

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:EVACUATE NON-ESSENTIAL PERSONNEL. WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY TO PREVENT PRESSURE BUILDUP. COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS.

## Accidental Release

Spill Release Procedures:FIRE HAZARD: ELIMINATE ALL SOURCES OF IGNITION. EVACUATE AREA. VENTILATE AREA. WEAR PROPER SAFETY EQUIPMENT. ABSORB ON INERT MATERIAL.

Neutralizing Agent:DILUTE WITH WATER

## Handling

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAME & STRONG OXIDIZING AGENTS. EMPTY CONTAINERS MAY CONTAIN FLAMMABLE VAPOR.

Other Precautions:DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. MATERIAL MAY ATTACK SOME FORMS OF PLASTIC, ALUMINUM, RUBBER AND COATINGS.

## Exposure Controls

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH/MSHA APPROVED AIR-PURIFYING OR SUPPLIED AIR RESPIRATOR AS APPROPRIATE.

Ventilation:MECHANICAL(GENERAL) EXHAUST RECOMMENDED. NO SPECIAL VENTILATION IS USUALLY REQUIRED TO MEET EXPOSURE STANDARDS.

Protective Gloves:NOT NORMALLY CONSIDERED A SKIN HAZARD.

Eye Protection:CHEMICAL SPLASH GOGGLES &/OR FACESHIELD

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health  
NONE

## Chemical Properties

HCC:V3

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:APPRECIABLE  
Appearance and Odor:WHITE MILKY SUSPENSION WITH A MILD ODOR (AEROSOL)

## Stability

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING AGENTS  
Stability Condition to Avoid:DO NOT STORE OR HANDLE AT TEMPERATURES  
ABVE 120F. HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION.  
Hazardous Decomposition Products:INCOMPLETE COMBUSTION MAY YIELD CARBON  
MONOXIDE AND OTHER TOXIC GASES

## Disposal

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. DILUTE AQUEOUS WASTE MAY BIODEGRADE. AVOID  
POISONING PLANT BIOMASS.

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