

MET-L-CHEK COMPANY -- D-70 DEVELOPER -- 6850-01-264-8679

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

Product ID:D-70 DEVELOPER

MSDS Date:03/15/1989

FSC:6850

NIIN:01-264-8679

MSDS Number: BGRVM

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID STREET

City:SANTA MONICA

State:CA

ZIP:90404-3723

Country:US

Info Phone Num:213-450-1111

Emergency Phone Num:213-450-1111

CAGE:98733

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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

Fraction by Wt: 90-95%

OSHA PEL:400 PPM/500 STEL

ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:TALC (CONTAINING NO ASBESTOS)

CAS:14807-96-6

RTECS #:WW2710000

OSHA PEL:2 MG

/M3 RDUST  
ACGIH TLV:2 MG/M3 RDUST; 9192

Ingred Name:SILICA, CRYSTALLINE - FUSED  
CAS:60676-86-0  
RTECS #:VV7328000  
OSHA PEL:SEE TABLE Z3  
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS  
FORMS) (SARA III)  
CAS:1344-28-1  
RTECS #:BD1200000  
OSHA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

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===== 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:MAY CAUSE MILD SKIN IRRITATION; VAPORS  
OR MIST MAY CAUSE MILD IRRITATION OF UPPER RESPIRATORY TRACT.  
VAPORS/LIQUID CAUSES IRRITATION.

Effects of Overexposure:EYES: CAUSES IRRITATION; SKIN: CAUSES MILD  
IRRITATION ON CONTACT WITH LIQUID; INHALATION: VAPORS OR MIST OF  
PRODUCT MAY CAUSE MILD IRRITATION OF NOSE AND RESPIRATORY TRACT.  
EARLY TO MODERATE CNS DEPRESSION MAY BE EVIDENCED BY GIDDINESS,  
HEADACHE, DIZZINESS,  
NAUSEA. INGESTION: LOW ORDER OF ACUTE  
TOXICITY.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.GET MEDICAL  
HELP IF IRRITATION OCCURS OR PERSISTS; SKIN:FLUSH WITH WATER.WASH  
WITH LUKE WARM WATER & SOAP.GET MEDICAL HELP FOR PERSISTING  
IRRITATION; INHALATION: REMOVE VICTIM

TO FRESH AIR. GETMEDICAL

ATTENTION IF NEEDED; INGESTION: IF SWALLOWED, INDUCE VOMITING IF VICTIM HAS INGESTED MATERIAL AND IS CONSCIOUS. NOTHING BY MOUTH TO UNCONSCIOUS PERSON.

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

Flash Point Method:TCC

Flash Point:53F,11.6C

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE OR FOAM; DO NOT USE DIRECT STREAM OF WATER ON THE FIRE.

Fire Fighting Procedures:IN CONFINED AREA,D

O NOT ENTER WITHOUT A FULL

BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:CONTAINERS MAY BURST AND/OR RUPTURE IN INTENSE HEAT OF FIRE. PER MANUFACTURER, PREHEATED PRODUCT MAY IGNITE IN AIR WHEN EXPOSED TO FLAME.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES.WEAR APPROPRIATE PROTECTIVE CLOTHING AND RESPIRATORS.SOAK UP WITH ABSORBENT.PLACE

WASTE IN SEALED CONTAINERS.FLUSH WITH WATER.LG LIQ:DIKE LIQUID & PUMP INTO SALVAGE TANK.ABS ORB RESIDUE WITH COMM ABSORBENT & PUT INCLOSED DR

Neutralizing Agent:DILUTE WITH WATER.

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

Handling and Storage Precautions:KEEP AWAY FROM SOURCES OF HEAT/IGNITION.STORE IN COOL,DRY & VENTILATED AREA.DO NOT STORE NEAR OXIDIZING MATERIAL;AVOID PHYSICAL DAMAGE TO CONTAINERS.

Other Precautions:MINIMIZE SKIN CON

TACT.AVOID BREATHING VAPORS. DO NOT

STORE IN ALUMINUM EQUIPMENT AT TEMPERATURE ABOVE 120F. HANDLING EQUIPMENT MUST BE GROUNDED. DO NOT USE PRESSURE TO EMPTY CONTAINERS.DO NOT CUT, GRI ND,WELD OR DRILL ON OR NEAR THE EMPTY DR

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

Respiratory Protection:NOT NEEDED IN NORMAL CONDITIONS OR USES WHEN VAPORS/MIST CONCENTRATIONS ARE BELOW TLV/PEL LIMITS. WEAR NIOSH APPROVED ORGANIC TYPE RESPIRATOR IN ABSENCE OF PROPER

ENVIRONMENTAL  
CONTROL.

Ventilation:LOCAL EXHAUST OR MECHANICAL(GENERAL) EXPLOSION PROOF TO  
MAINTAIN TLV OR BELOW TLV LIMITS.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:SAFETY GLASSES OR SPLASH-PROOF GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT APRON TO PREVENT  
CLOTHING/SKIN CONTACT.

Work Hygienic Practices:WASH HANDS WITH SOAP & WATER BEFORE  
EATING,SMOKING OR USING TOILET FACILITIES;DO NOT EAT/DRINK IN VAPOR  
CONTAMINTD AREA.

Supplemental Safety and Health

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SN IS FOR TYPE I,METHOD D DEVELOPER OF MIL-I-25135,REV D;UNDER THIS  
NSN,MET-L-CHEK MAY SUPPLY D-70, D-701,OR D-703 DEVELOPER I/A/W  
QPL-25135-15;D-70 IS FLAMMABLE WHILE D-701 & D-703 ARE  
NON-FLAMMABLE AND CONTAIN HALOCARBONS.THIS ENTRY IS OF D-70  
DEVELOPER.

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

HCC:F2

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

Vapor Pres:33MM@68F

Vapor Density:2.1

Spec Gravity:0.8

Evaporation Rate & Reference:1.4 (BUTYL ACETATE)

Solubility

in Water:APPRECIABLE

Appearance and Odor:WHITE, MILKY SUSPENSION, MILD ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIAL

Stability Condition to Avoid:SOURCE OF HEAT/IGNITION. AVOID EXPOSURE TO  
OXIDIZING MATERIALS.

Hazardous Decomposition Products:OXIDES OF CARBON (CARBON

MONOXIDE,CARBON DIOXIDE) AND OTHER UNIDENTIFIED ORGANIC COMPOUNDS.

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

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Waste Disposal Methods:PER MANUFACTURER, PLACE IN NON-LEAKING CONTAINERS, SEAL AND DISPOSE AS EPA HAZARDOUS WASTE # D001, IGNITABLE WASTE, IN FULL COMPLIANCE WITH ALL FEDERAL, STATE & LOCAL REGULATIONS.

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