

MET-L-CHEK COMPANY -- D-70 PENETRANT DEVELOPER (SEE SUPPL) -- 6850-00-145-0255

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

Product ID:D-70 PENETRANT DEVELOPER (SEE SUPPL)

MSDS Date:01/01/2001

FSC:6850

NIIN:00-145-0255

Status Code:A

Kit Part:Y

MSDS Number: CLDNT

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID ST

Box:00000

City:SANTA MONICA

State:CA

ZIP:90404

Country:US

Info Phone Num:310-450-1111/FAX 310452-4046

Emergency Phone Num:800-424-9300

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

CAGE:98733

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

Ingred Name:ISOPROPANOL (2-PROPANOL)

CAS:67-63-0

RTECS #:NT8050000

Minumum % Wt:20.

Maxumum % Wt:40.

OSHA PEL:980 MG/M3;400 PPM

ACGIH TLV:983 MG/M3;400 PPM

ACGIH STEL:1230 MG/M3;500 PPM

Inged Name:ISOBUTANE (PROPELLANT)

CAS:75-28-5

RTECS #:TI4300000

Minumum % Wt:40.

Maxumum % Wt:60.

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

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

Health Hazards Acute and Chronic:EYE: LIQUID CAUSES SEVERE IRRITATION, REDNESS, TEARING AND SWELLING OF EYES. SKIN: MAY CAUSE SKIN IRRITATION. PROLONGED/REPEATED CONTACT MAY DRY OUT THE SKIN DUE TO DEFATTING OF SKIN. SYMPTOMS MAY INC LUDE REDNESS, BURNING AND C

RACKING OF SKIN. SWALLOWING: SMALL AMOUNTS MAY NOT PRODUCE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE HARMFUL. INHALTION: SMALL AMOUNTS MAY NOT BE HARMFUL. LARGE AMOUNTS MAY BE H ARMFUL.

Explanation of Carcinogenicity:THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CONSTITUENTS IN REPORTABLE AMOUNTS LISTED AS CARCINOGENS.

Effects of Overexposure:STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, AIRWAYS), CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DRO WSINESS, FATIGUE, HEADACHE, UNCONSCIOUSNESS).

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

First Aid:EYE: FLUSH WITH CLEAN WATER FOR AT LEAST 15 MIN. HOLD EYELIDS OPEN. SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP & WATER. LAUNDER CLOTHING BEFORE REUSE. CLEAN SHOES BEFORE REUSE. S WALLOWING: CALL PHYSICIAN IMMEDIATELY. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDICIDUAL ON THEIR LEFT SIDE WI TH HEAD DOWN. DO NOT LEAVE INDIVIDUAL UNATTENDED. IN HALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREAHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION FOR ROUTES AS NEEDED.

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

Flash Point Method:TCC

Flash Point:=11.7C, 53.F

BULK

Autoignition Temp:=398.9C, 750.F

Lower Limits:2.0

Extinguishing Media:DRY CHEMICAL, ALCOHOL FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures:WATER MAY

BE INEFFECTIVE. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL. WEAR FULL PROTECTIVE CLOTHING AND NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATE D IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO DISTANT IGNITION SOURCE AND FLASH BACK. SEALED CONTAINERS MAY RUPTURE WHEN HEATED.

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

Spill Release Procedures:VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. ISOLATE HAZARD AREA. WEAR PROTECTIVE GEAR, KEEP UNNECESSARY PERSONNEL AWAY. CONTAIN/RECOVER LIQUID WHEN POSSIBLE. USE NON-SPARKING TOOLS. COLLECT LIQUID IN AN APPROPRIATE CONTAINER OR ABSORB WITH AN INERT MATERIAL SUCH AS VERMICULITE, DRY SAND, OR EARTH; DO NOT USE COMBUSTIBLE MATERIALS, AND PLACE IN A CHEMICAL WASTE CONTAINER. DON'T FLUSH TO SEWER

===== Handlin
g and Storage =====

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. STORE IN COOL, DRY WELL-VENTILATED LOCATION, AWAY FROM AREAS WHERE FIRE HAZARD OR IGNITION SOURCES MAY EXIST. OUTSIDE OR DETACHED STORAGE IS PREFERRED. CONTAINERS SHOU LD BE GROUNDED FOR TRANSFERS TO AVOID STATIC SPARKS. STORE AND USE IN NO SMOKING AREA.

Other Precautions:STORAGE CONT: CONTAINERS MAY BE HAZARDOUS WHEN EMPTY SINCE RESIDUE LIQUID/VAPOR MAY BE PRESENT. USE N ON-SPARKING TOOLS. ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSING SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH/MAINTAIN SAFE OPERATING CONDITIONS.

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

Respiratory Protection:PERSONAL RESPIRATORS (NIOSH APPROVED) IF EXPOSURE LIMIT IS EXCEEDED.

Ventilation:LOCAL OR GENERAL EXHAUST IS RECOMMENDED. LOCAL EXHAUST IS PREFERRED TO CONTROL EMISSIONS OF CONTAMINANT AT ITS SOURCE.

Protective Gloves:RESISTANT

GLOVES

Eye Protection:CHEMICAL SPLASH GOGGLES, SAFETY GLASSES OR FULL
FACESHIELD

Other Protective Equipment:EYE WASH AND QUICK-DRENCH FACILITIES. WEAR
IMPERVIOUS CLOTHING AND BOOTS.

Supplemental Safety and Health

THIS IS PART OF KIT CONTAINING: D-70; E-59A AND VP-31A. GENERIC ID:
AMS-2644 PENETRANT DEVELOPER FORMS D & E.

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

HCC:V3

Boiling Pt:=82.2C, 180.F

B.P. Text:INITIAL

Vapor Pres:33.0MMHG

Vapor Density:2.07

S

pec Gravity:0.856

VOC Pounds/Gallon:710

pH:NO DATA

Evaporation Rate & Reference:1.7 (NBUAC=1)

Solubility in Water:90%

Appearance and Odor:WHITE, MILKY SUSPENSION IN LIQUID; SLIGHT
ETHANOL/ACETONE LIKE ODOR.

Percent Volatiles by Volume:90%

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

Stability Indicator/Materials to Avoid:YES

DO NOT USE WITH ALUMINUM EQUIPMENT AT TEMPERATURES ABOVE 120F.

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE

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===== Toxicological Information =====

Toxicological Information:NO DATA

===== Ecological Information =====

Ecological:NO DATA VAILABLE ON PRODUCT.

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

Waste Disposal Methods:PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT
MAY CHANGE ITS WASTE MANAGEMENT OPTIONS. STATE & LOCAL DISPOSAL
REGULATIONS MAY DIFFER FROM FEDERAL DISPOSAL REGULATIONS. DISPOSE
OF CONTAINER

R & UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE & LOCAL REQUIREMENTS. NOTE: MSDS INFORMATION IS FOR AS SUPPLIED LIQUID.

===== MSDS Transport Information =====

Transport Information:DOT INFORMATION- 49 CFR 172.101 SHIPPING NAME: CONSUMER COMMODITY.

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

SARA Title III Information:SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A: NONE. SECTION 311/312 HAZARD CLASS - 40 CFR 370.2:

IMMEDIATE,

DELAYED, & FIRE. SARA 313 COMPONENTS - 40 CFR 372.65: NONE.

Federal Regulatory Information:TSCA: LISTED. CERCLA RQ - 49 CFR 302.4(A): NONE LISTED.

State Regulatory Information:CALIFORNIA PROPOSITION 65 REQUIRES THE FOLLOWING STATEMENT- PRODUCT MAY CONTAIN DETECTABLE AMOUNTS OF SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. NEW JERSEY RTK LABEL- ISOPROPYL ALCOHOL 67-63-0. PENNSYLVANIA RTK LABEL- 2-PROPANOL 67-63-0.

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