

MET-L-CHEK COMPANY -- FP-93A(M) PENETRANT (SEE SUPPL DATA) -- 6850-01-266-4547

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

Product ID:FP-93A(M) PENETRANT (SEE SUPPL DATA)

MSDS Date:10/15/1986

FSC:6850

NIIN:01-266-4547

Kit Part:Y

MSDS Number: BGTCD

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID STREET

City:SANTA MONICA

State:CA

ZIP:90404-3770

Country:US

Info Phone Num:213-450

-1111

Emergency Phone Num:213-450-1111

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:DISTILLATE (PETROLEUM),HYDROTREATED MIDDLE; NOTE: ON MSDS,  
MFR SIMPLY STATED AS "PETROLEUM HYDROCARBON" FOR ABOVE CAS #.

CAS:64742-46-7

RTECS #:JN9379645

OSHA PEL:5 MG/CU

M  
ACGIH TLV:5 MG/CUM

=====  
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 SLIGHT SKIN IRRITATION;  
VAPORS OR OIL MIST MAY CAUSE MILD IRRITATION OF UPPER RESPIRATORY  
TRACT.  
Effects of Overexposure:EYES:MAY CAUSE IRRITATION; SKIN:SLIGHT  
IRRITATION ON CONTACT WITH LIQUID; INHALATION:VAPORS OR MIST OF  
PRODUCT MAY CAU  
SE MILD IRRITATION OF UPPER RESPIRATORY TRACT.  
INGESTION:MAY RESULT IN VOMITING. A SPIRATION MUST BE AVOIDED.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES:FLUSH WITH WATER FOR AT LEAST 15 MINUTES.GET MEDICAL  
HELP IR IRRITATION OCCURS OR PERSISTS; SKIN:FLUSH WITH WATER.WASH  
WITH LUKE WARM WATER & SOAP.GET MEDICAL HE  
LP FOR PERSISTING  
IRRITATION; INHA LATION:REMOVE TO FRESH AIR.PROVIDE OXYGEN IF  
BREATHING IS DIFFICULT.GET MEDICAL ASSISTANCE IF NEEDED;  
INGESTION:IF SWALLOWED, DO NOT INDUCE VOMITING.GET MEDICAL  
ATTENTION.NOTHING BY MOUTH TO UNCONSC.

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

Flash Point Method:PMCC  
Flash Point:210F/98.9C  
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,DO 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.

=====  
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 IN  
CLOSED DR

=====  
===== 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 CONTACT.AVO  
ID BREATHING VAPORS.

=====  
===== 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) TO MAINTAIN TLV OR  
BELOW TLV LIMITS.

Protective Gloves:CHEMICAL RESISTANT

Eye Protection:SAFETY GLASSES OR SPLASH-PROOF GOGGLES

Other P

rotective 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  
CONTMNTD AREA.

Supplemental Safety and Health

NSN FOR A KIT OF 2 PARTS UNDER TYPE I,METHOD 1,LEVEL 2 OF  
MIL-I-25135,REV D;PER QPL-25135-15,THE SET MAY CONSIST OF FP-93A(M)  
PENETRANT AND E-58A OR E-58D EMULSIFIER (I.E. THE MFR MAY SUPPLY  
EITHER E- 58A OR E-58D EMULSIFI

ER WITH FP-93A(M) PENETRANT UNDER

THIS NSN);KEY1:N1;THIS DATA ENTRY DESCRIBES: FP-93A(M) PENETRANT.

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

HCC:N1

Boiling Pt:B.P. Text:380F(193.3C

Spec Gravity:ABOUT 1.2

Solubility in Water:INCOMPLETE

Appearance and Odor:YELLOW-GREEN LIQUID. SLIGHT HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIAL

Stability Condition to Avoid:SOURC

E OF HEAT/IGNITION. AVOID EXPOSURE TO  
OXIDIZING MATERIALS.

Hazardous Decomposition Products:OXIDES OF CARBON (CARBON  
MONOXIDE,CARBON DIOXIDE) AND OTHER UNIDENTIFIED ORGANIC PRODUCTS.

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

Waste Disposal Methods:PER MANUFACTURER, THE WASTE CAN BE INCINERATED  
OR DISPOSED OF AS EPA HAZARDOUS WASTE # D001,IGNITABLE WASTE, IN  
FULL COMPLIANCE WITH ALL FEDERAL STATE & LOCAL REGULATIONS.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.