

MET-L-CHEK COMPANY -- E-57 EMULSIFIER -- 6850-00-782-2737

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

Product ID:E-57 EMULSIFIER  
MSDS Date:03/15/1989  
FSC:6850  
NIIN:00-782-2737  
MSDS Number: BFPNJ  
=== 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

===

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:PETROLEUM DISTILLATES,SOLVENT-REFINED HEAVY NAPHTHENIC; ON  
THE MSDS,MFR SIMPLY NOTED"PETROLEUM HYDROCARBON#64741-96-4  
CAS:64741-96-4  
RTECS #:PY8040000  
OSHA PEL:5 MG/CUM  
ACGIH TLV:5 MG/CUM

===== Hazards Iden

tification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Effects of Overexposure:EYES: LIQUID CONTACT MAY CAUSE IRRITATION.  
SKIN: CAUSES SLIGHT IRRITATION. INHALATION: VAPOR OR OIL MIST MAY  
CAUSE MILD IRRITATION OF UPPER RESPIRATORY TRACT. INGESTION: MAY  
RESULT IN VOMITING. ASPIRATION MUST BE AVOIDED.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRA  
VATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES:FLUSH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET  
MEDICAL HELP IF IRRITATION PERSISTS. SKIN:FLUSH WITH WATER. WASH  
WITH SOAP AND WATER. INHALATION:REMOVE TO FRESH AIR, PROVIDE OXYGEN  
IF BREATHING IS DIFFICULT. INGESTION:DO NOT INDUCE VOMITING. GET  
MEDICAL ASSISTANCE FOR ANY OF HEALTH PROBLEMS.

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

Flash Point Method:COC  
Flash Point:200F,93C  
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,PRODUCT MAY IGNITE IN AIR  
WHEN EXPOSED TO F  
LAME OR PREHEATED.

===== 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.LARGE SPILL:DIKE LIQUID  
& PUMP INTO SALVAGE TANK.ABSORB RESIDUE WITH COMM ABSORBENT & PUT  
IN DRUM

===== 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.AVOID BREATHING VAPORS.

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

Respiratory Protection:NOT NEEDED IN NORMAL CONDITIONS OR 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 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

PER QPL-25135-15,FP-95A(M) PENETRANT,AND E-57 EMULSIFIER ARE QUALIFIED

ITEMS FOR AN NSN OF A KIT OR A SINGLE PRODUCT UNDR TYPE I,METHOD B,LEVEL 3 OF MIL-I-25135D.THIS ENTRY DESCRIBES E-57 EMULSIFIER UNDER THIS NSN WHICH IS SINGLE PRODUCT NSN OF TYPE I,METHOD B,LEVEL 3.THE FP-95A(M) IS COVERED UNDER SEPARATE NSN.

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

HCC:N1

Boiling Pt:B.P. Text:>400F,>204C

Spec Gravity:ABOUT 0.86

Solubility in Water:NEGLIGIBLE

Appearance and Odor:PINK OILY LIQUID. SLIGHT HYDROCARBON ODOR

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

Stability Indicator/Materials to Avoid:YES  
OXIDIZING MATERIAL

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

Hazardous Decomposition Products:COMBUSTION CAN PRODUCE OXIDES OF CARBON AND UNIDENTIFIED ORGANIC COMPOUNDS.

Conditions to Avoid Polymerization:HEAT, OPEN FLAMES AND OXIDIZING MATERIALS.

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

Waste Disp

osal Methods:PER MANUFACTURER, PLACE IN APPROPRIATE DISPOSAL FACILITY 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.