

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

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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: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 Ide

ntification =====

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 AGGRAVATED 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 FLAME 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.

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Exposure Controls/Personal Protection
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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 EMULS

IFIER 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 U NDER THIS NSN WHICH IS SINGLE PRODUCT NSN OF TYPE I,METHOD B,LEVEL 3.THE FP-95A(M) IS COVERED UNDER SEPARATE NSN.

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Physical/Chemical Properties
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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 HYDROCARB ON ODOR

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Stability and Reactivity Data
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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.

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Disposal Considerations
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Waste Dis

posal Methods:PER MANUFACTURER, PLACE IN APPROPRIATE DISPOSAL FACILITY IN FULL COMPLIANCE WITH ALL FEDERAL STATE & LOCAL REGULATIONS.

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