

MET-L-CHEK COMPANY -- E-57 EMULSIFIER -- 6850-01-263-8222

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

Product ID:E-57 EMULSIFIER  
MSDS Date:10/01/1999  
FSC:6850  
NIIN:01-263-8222  
Status Code:A  
Kit Part:Y  
MSDS Number: CKQQR  
=== 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 452-4046  
Emergency  
Phone Num:800-424-9300  
Preparer's Name:NOT PROVIDED  
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  
Contract Num:SP0450-00-M-SE34  
CAGE:98733

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

Ingred Name:NAPHTHENIC DISTILLATE (PETROLEUM)  
CAS:64741-96-4  
RTECS #:PY8040000  
Minimum % Wt:50.  
Maximum % Wt

:70.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

Ingred Name:NONYLPHENOL POLYETHOXYLATE

CAS:9016-45-9

RTECS #:AX0247000

Minumum % Wt:10.

Maxumum % Wt:20.

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

ACGIH TLV:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED

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

Health Hazards Acute and Chronic:TARGET ORGAN EFFECTS: OVER EXPOSURE TO  
COMPONEN

TS OF THIS MATERIAL CAN EFFECT EYE, SKIN, LUNGS. POTENTIAL

HEALTH EFFECTS: EYE CONTACT: LIQUID MAY CAUSE IRRITATION, REDNESS,  
TEARING, STINGING AND SWELL ING OF EYES. SKIN CONTACT: MAY CAUSE  
SKIN IRRITATION WITH PROLONGED OR REPEATED CONTACT. SYMPTOMS MAY  
INCLUDE REDNESS, BURNING AND CRACKING OF SKIN. SWALLOWING: SMALL  
AMOUNTS MAY NOT PRODUCE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE  
HARMFUL. INHALATION: SMALL AMOUNTS MAY NOT BE HARMFUL. LARGE  
AMOUNTS MAY BE HARMFUL.

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xplanation of Carcinogenicity:THIS MATERIAL IS NOT KNOWN TO CONTAIN

ANY CONSTITUENTS LISTED AS A CARCINOGEN BY THE INTERNATIONAL AGENCY  
FOR RESEARCH ON CANCER, THE NATIONAL TOXICOLOGY PROGRAM, OR OSHA.

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

Medical Cond Aggravated by Exposure:NOT PROVIDED

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

First Aid:EYES: FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES.  
HOLD EYELIDS OPEN. SEEK MEDICAL ATTENTION. SKIN: REMOVE  
CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF  
SYMPTOMS PERSISTS, SEEK MEDICAL ATTENTION. LAUNDER CLOTHING AND  
CLEAN SHOES BEFORE REUSE. SWALLOWING: CALL A PHYSICIAN IMMEDIATELY.  
IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY  
MOUTH; PLACE INDIVIDUA L ON THEIR

LEFT SIDE WITH THE HEAD DOWN. DO

NOT LEAVE THE INDIVIDUAL UNATTENDED. INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:>93.3C, 200.F

Extinguishing Media:DRY CHEMICAL, WATER FOG, 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:EMPTY CONTAINERS MAY CONTAIN VAPORS.

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

Spill Release Procedures:VENTILATE AREA. REMOVE ALL SOURCES OF IGNITION. ISOLATE AREA. WEAR PROTECTIVE GEAR, KEEP UNNECESSARY

PERSONNEL AWAY. CONTAIN AND RECOVER LIQUID WHEN POSSIBLE. COLLECT LIQUID IN AN APPROPRIATE CONTAINER OR ABSORB WITH AN INERT MATERIAL SUCH AS VERMICULITE, DRY SAND, OR EARTH; DO NOT USE COMBUSTIBLE MATERIAL, AND PLACE IN A CHEMICAL WASTE CONTAINER. DO NOT FLUSH TO SEWER!

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A COOL, DRY WELL-VENTILATED LOCATION, AWAY FROM AREAS WHERE FIRE HAZARD MAY EXIST. STORE AND USE IN NO SMOKING AREA. EMPTY CONTAINERS MAY CONTAIN RESIDUE LIQUID AND VAPORS.

Other Precautions:ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSING SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

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

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

Ventilation:A

SYSTEM OF LOCAL OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST VENTILATION IS PREFERRED.

Protective Gloves:WEAR RESISTANT GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES OR SAFETY GLASSES IN COMPLIANCE WITH OSHA ARE ADVISED.

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Work Hygienic Practices:EYE WASH AND QUICK-DRENCH FACILITIES SHOULD BE NEAR WORK AREA.

Supplemental Safety and Health

UNIT QTY IS A KIT CONSISTING OF ONE 5 GALLON CAN OF PENETRANT (MSDS SERIAL NUMBER: CKPQK) AND TWO 5 GALLON CANS OF EMULSIFIER, PER CONTRACTING TECHNICAL DATA FILE (CTDF).

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

HCC:V5

NRC/State Lic Num:NOT RELEVANT

Vapor Density:>1

Spec Gravity:0.945@60F

pH:NOT RELEVANT

Viscosity:NOT PROVIDED

Solubility in Water:EMULSIFIABLE

Appearance and Odor:ORANGE RED LIQUID; MILD PETROLEUM ODOR.

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osion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, ALKALIES, AND OXIDIZING AGENTS.

Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.

Hazardous Decomposition Products:MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR

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

Toxicological Information:NO D

ATA AVAILABLE ON PRODUCT.

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Ecological Information  
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Ecological:NO DATA AVAILABLE ON PRODUCT.

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Disposal Considerations  
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Waste Disposal Methods:PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT OPTIONS. STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER FROM FEDERAL DISPOSAL REGULATIONS. DISPOSE OF CONTAINER AND UN USED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

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Regulatory Information  
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SARA Title III Information:SARA 302 COMPONENTS - 40 CFR 355 APPENDIX A: NONE. SECTION 311/312 HAZARD CLASS-40CFR370.2: IMMEDIATE (X), DELAYED (X), FIRE ( ), REACTIVE ( ), SUDDEN RELEASE OF PRESSURE ( ). SARA 313 COMPONENTS-40CF R372.65: NONE.

Federal Regulatory Information:TSCA: LISTED. CERCLA RQ - 40 CFR 302.4(A): NONE.

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.

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Other Information  
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