

MET-L-CHEK COMPANY -- E-58D EMULSIFIER -- 6850-01-268-6714

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

Product ID:E-58D EMULSIFIER

MSDS Date:10/31/1986

FSC:6850

NIIN:01-268-6714

MSDS Number: BGTCX

=== 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

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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:ETHYLENE GLYCOL (SARA III)

CAS:107-21-1

RTECS #:KW2975000

Fraction by Wt: 50.0%

OSHA PEL:C 50 PPM

ACGIH TLV:C 50 PPM,VAPOR; 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

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

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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 CAUSE MILD IRRITATION OF UPPER RESPIRATORY TRACT. CAN  
CAUSE CENTRAL NERVOUS SYSTEM  
DEPRESSION. INGESTION:MAY RESULT IN  
VOMITING.

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 HELP FOR PERSISTING  
IRRITATION; INHA LATION:REMOVE TO FRESH  
AIR.PROVIDE OXYGEN IF  
BREATHING IS DIFFICULT.GET MEDICAL ASSISTANCE IF NEEDED;  
INGESTION:IF SWALLOWED, INDUCE VOMITING.GET MEDICAL ASSISTANCE.

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

Flash Point Method:PMCC  
Flash Point:232F/111.1C  
Upper Limits:3.2  
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 AT 775F.

===== 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 W

ATER.LG LIQ:DIKE LIQUID &  
PUMP INTO SALVAGE TANK.ABS ORB RESIDUE WITH COMM ABSORBENT & PUT IN  
CLOSED DR

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===== 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 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 Protective Equipment:CHEMICAL RESISTANT APRON TO PREVENT  
CLOTHING/SKIN CONTACT.

W

ork 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 TYPE I,METH D,LVL 1 OF MIL-I-25135.PER QPL-25135-15,TWO  
EMULSIFIERS E-58A & E-58D ARE QUALIFIED ITEMS FOR TYPE I,METHOD  
D,LEVEL 1 OF MIL-I-25135,REV D. THE MANUFACTURER MAY SUPPLY EITHER  
ONE O F THESE EMULSIFIERS FOR THE NSN.THIS ENTRY DESCRIBES E-58D  
EMULSIFIER. SEE PNI-A FOR E-58A DATA.

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

HCC:N1

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

Spec Gravity:ABOUT 1.2

Solubility in Water:COMPLETE

Appearance and Odor:LIGHT REDDISH PINK LIQUID. PRACTICALLY ODORLESS

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===== 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:OXIDES OF CARBON (CARB

ON  
MONOXIDE,CARBON DIOXIDE)

===== 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.

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