

MET-L-CHEK COMPANY -- E-58D EMULSIFIER -- 6850-01-268-6715

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

Product ID:E-58D EMULSIFIER

MSDS Date:06/08/1989

FSC:6850

NIIN:01-268-6715

MSDS Number: BGTCZ

=== 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%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:C 50 PPM,VAPOR; 9394

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:ACUTE: CONTACT MAY CAUSE SKIN AND EYE  
IRRITATION. INHALATION MAY CAUSE CNS DEPRESSION. INGESTION MAY BE  
HARMFUL (MODERATE SINGLE ORAL DOSE TOXICITY). CHRONIC: NONE  
SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%  
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CAR  
CINOGEN.

Effects of Overexposure:SKIN OR EYE IRRITATION, DRUNKENESS, NARCOSIS.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN OR EYE DISORDERS.

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

First Aid:IN ALL CASES, GET MEDICAL ATTENTION IF SYMPTOMS PERSIST.  
EYES-FLUSH WITH WATER FOR AT LEAST 15 MINUTES. SKIN-FLUSH WITH  
WATER. INGESTED-IF CONSCIOUS, INDUCE VOMITING. GET MEDICAL  
ATTENTION. INHALED-RE MOVE TO FRESH AIR.

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Fire Fightin  
g Measures =====

Flash Point Method:PMCC

Flash Point:232F,111C

Lower Limits:3.2

Extinguishing Media:WATER FOG, CARBON DIXOIDE, DRY CHEMICAL, ALCOHOL  
FOAM.

Fire Fighting Procedures:NONE. DLA-HMIS: WEAR SELF-CONTAINED BREATHING  
APPARATUS AND FULL BUNKER GEAR.

Unusual Fire/Explosion Hazard:NONE.

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Accidental Release Measures =====

Spill Release Procedures:FLUSH WITH WATER. SOAK UP WITH ABSORBENT  
MATERIAL AND PLACE IN SEALED CONTAINERS  
FOR LATER DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage =====

Handling and Storage Precautions:KEEP IN SEALED CONTAINERS. WASH BEFORE  
EATING, DRINKING, OR USING TOILET. AVOID SKIN AND EYE CONTACT.

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Exposure Controls/Personal Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE  
OR EMERGENCY OCCURS; USE NIOSH/MSHA APPROVED RESPIRATOR OR SUPPLIED  
AIR

RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 1910.134 AND MANUFACTURER'S RECOMMENDATIONS.

Ventilation:LOCAL EXHAUST OR MECHANICAL(GENERAL) TO MAINTAIN TLV OR BELOW TLV LIMITS.

Protective Gloves:CHEMICAL RESISTANT-NEOPRENE.

Eye Protection:SAFETY GLASSES OR SPLASH-PROOF GOGGLES

Other Protective Equipment:CHEMICAL RESISTANT APRON TO PREVENT CLOTHING/ SKIN CONTACT. DLA-HMIS: EYE WASH STATION & SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING,

OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

NSN FOR TYPE I,METHOD D,LEVEL 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 OF THESE EMULSIFIERS FOR THE NSN.THIS ENTRY DESCRIBES E-58D EMULSIFIER. SEE PNI-A FOR E-58A DATA.

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

HCC:N1

Boiling Pt:B.P. Temperature

380F,193C

Vapor Pressure:0.12

Spec Gravity:1.2

Solubility in Water:COMPLETE

Appearance and Odor:LIGHT REDDISH PINK LIQUID. PRACTICALLY ODORLESS

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

Stability Indicator/Materials to Avoid:YES

OXIDIZING MATERIAL

Stability Condition to Avoid:TEMPERATURES AT OR ABOVE 775F. AVOID CONTACT WITH OXIDIZERS.

Hazardous Decomposition Products:CARBON MONOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal

Considerations =====

Waste Disposal Methods:CAN BE BURNED IF ALLOWED LOCALLY. OTHERWISE, DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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