

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

==

= 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

=====

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 CARCINOGEN.  
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.

===== Fire Fighting 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.

===== 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.

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

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

===== 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,  
DRINKIN

G, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

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 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. Te

xt:380F,193C

Vapor Pres: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.

===== Disposa

I Considerations =====

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

y person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.