

MET-L-CHEK CO -- E-58D EMULSIFIER -- 6850-01-263-8230

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

Product ID:E-58D EMULSIFIER  
MSDS Date:06/08/1989  
FSC:6850  
NIIN:01-263-8230  
Kit Part:Y  
MSDS Number: BGTCC  
=== Responsible Party ===  
Company Name:MET-L-CHEK CO  
Address:1639 EUCLID ST  
City:SANTA MONICA  
State:CA  
ZIP:90404-3770  
Country:US  
Info Phone Num:310-450-1111  
Emergency Phone Num:310-450-1111,800-424-9300(CH  
EMTREC)  
CAGE:IO387  
=== Contractor Identification ===  
Company Name:MET-L-CHEK CO  
Address:1639 EUCLID ST  
City:SANTA MONICA  
State:CA  
ZIP:90404  
Country:US  
Phone:310-450-1111  
CAGE:IO387  
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 SPECIFIED  
OSHA PEL:C 50 PPM  
ACGIH TLV:C 50 PPM,VAPOR; 9394  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:EYES: IRRITATION. SKIN: IRRITATION.  
INHALATION: DRUNKENNESS, NARCOSIS, CENTRAL NERVOUS SYSTEM  
DEPRESSION. INGESTIO  
N: SINGLE ORAL DOSE MAY RESULT IN MODERATE  
TOXICITY.  
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION. INHALATION:  
DRUNKENNESS, NARCOSIS, CENTRAL NERVOUS SYSTEM DEPRESSION. INGESTION:  
SINGLE ORAL DOSE IS MODERATELY TOXIC.  
Medical Cond Aggravated by Exposure:PERSON WITH PRE-EXISTING SKIN OR  
EYE DISORDERS MAY BE AT INCREASED RISK FROM EXPOSURE TO THIS  
PRODUCT.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNT  
S OF WATER. GET MEDICAL  
ATTENTION IF IRRITATION OCCURS OR PERSISTS. SKIN: FLUSH WITH LARGE  
AMOUNTS OF WATER. IF ADVERSE SYMPTOMS DEVELOP, GET MEDICAL  
ATTENTION. INHALATION : MOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING  
DIFFICULT. GET MEDICAL ATTENTION IF NEEDED. INGESTION: INDUCE  
VOMITING. GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC  
Flash Point:232F,111C  
Lower Limits:3.2  
Extinguishing Media:WATER FOG, AL

COHOL FOAM, CARBON DIOXIDE, DRY  
CHEMICAL.

Fire Fighting Procedures:NONE SPECIFIED BY MANUFACTURER.

Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.

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

Spill Release Procedures:FLUSH WITH WATER. SOAK UP WITH ABSORBENT  
MATERIAL. PLACE WASTE IN SEALED CONTAINERS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP IN SEALED CONTAINERS. AVOID SKIN  
AND EYE CONTACT.

Other Precautions:AVOID CONTACT OR EXPOSURE OF PRODUCT TO OXIDIZING  
MATERIALS.

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

Respiratory Protection:NOT NEEDED IN NORMAL CONDITIONS OF USE. USE  
APPROVED ORGANIC TYPE RESPIRATOR IN ABSENCE OF PROPER ENVIRONMENTAL  
CONTROL.

Ventilation:PROVIDE SUFFICIENT LOCAL EXHAUST AND/OR MECHANICAL  
(GENERAL) VENTILATION TO MAINTAIN EXPOSURE BELOW RECOMMENDED TLV'S

Protective Gloves:CHEMICAL RESISTANT.

Eye Protection:SAFETY GLASSES OR SPLASH-PROOF GOGGLES.

Other Protective Equipment:CHEMICAL RESISTANT APRON TO PREVENT CLOTHING  
AND SKIN CONTACT.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING,  
DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

KEY1: N1, THIS ENTRY IS FOR P/N IND C, EMULSIFIER, FOR A TWO PART KIT.  
SEE THIS SAME NSN, P/N IND A, PENETRANT, FOR SECOND PART OF KIT  
DATA

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

HCC:N1

Boiling Pt:B.P. Text:380F,193C

Vapor Pres:0.12 MM

Vapor Density:VERY LOW

Spec Gravity:ABOUT 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:WILL IGNITE IN AIR AT ABOUT 775F.

Hazardous Decomposition Products

ts:CARBON MONOXIDE

Conditions to Avoid Polymerization:WILL NOT OCCUR. AVOID EXPOSURE TO OXIDANTS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF WASTE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. IF PERMITTED, THE WASTE CAN BE INCINERATED.

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