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Product Identification
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Product ID:E-58A EMULSIFIER (SEE SUPPL DATA)

MSDS Date:10/31/1986

FSC:6850

NIIN:01-263-8230

Kit Part:Y

MSDS Number: BGTCB

=== 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 Identi

fication ===

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

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Composition/Information on Ingredients
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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

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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. INGES
TION:MAY RESULT IN
VOMITING.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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===== 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.

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===== 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 PRESSUR

E 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.

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===== 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 WATER.LG LIQ:DIKE LI

QUID &

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 =====

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.

Work Hygienic Practi

ces: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 A KIT OF 2 PARTS UNDER TYPE I,METHOD 1,LEVEL 2 OF MIL-I-25135,REV D;PER QPL-25135-15,THE SET MAY CONSIST OF FP-93A(M) PENETRANT AND E-58A OR E-58D EMULSIFIER (I.E. THE MFR MAY SUPPLY EITHER E- 58A OR E-58D EMULSIFIER WITH FP-93A(M) PENETRANT UNDER THIS NSN);KEY1:N1;THIS DATA ENTRY DESCRIBES: E-58A EMULSIFIER.

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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 (CA

RBON
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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