

MET-L-CHEK COMPANY -- E-58D EMULSIFIER, (SEE SUPPL) -- 6850-01-263-8230

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

Product ID:E-58D EMULSIFIER, (SEE SUPPL)

MSDS Date:01/01/2001

FSC:6850

NIIN:01-263-8230

Status Code:A

Kit Part:Y

MSDS Number: CLRBC

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID ST

Box:00000

City:SANTA MONICA

State:CA

ZIP:90404

Country:US

Info Phone Num:310-450-1111/FAX 310452-4046

Emergency Phone Num:800-424-9300

Chemtrec

Ind/Phone:(800)424-9300

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

Contract Num:SP0450-02-M-M128

CAGE:98733

=====
===== Composition/Information on Ingredients =====

Ingred Name:ETHYLENE GLYCOL

CAS:107-21-1

RTECS #:KW2975000

Minimum % Wt:65.

Maxumum % Wt:80.

OSHA PEL:50 PPM

ACGIH TLV:100 MG/M3

ACGIH STEL:C127 MG/M3;C50 PPM

EPA Rpt Qty:

1 LB
DOT Rpt Qty:1 LB

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

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:OVEREXPOSURE TO COMPONENTS OF THIS MATERIAL CAN EFFECT KIDNEYS AND LIVER. EYE CONTACT: LIQUID MAY CAUSE IRRITATION, REDNESS, TEARING, STINGING, AND SWELLING OF EYES. SKIN CONTACT: MAY CAUSE SKIN IRRITATION WITH PROLONGED OR REPEATED CONTACT. SYMPTOMS MAY INCLUDE REDNESS AND BURNING OF SKIN.
SWALLOWING: SMALL AMOUNTS MAY NOT PRODUCE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE HARMFUL. INHALATION: SMALL AMOUNTS MAY NOT BE HARMFUL. LARGE AMOUNTS MAY BE HARMFUL.
Explanation of Carcinogenicity:THIS MATERIAL IS NOT KNOWN TO CONTAIN ANY CONSTITUENTS LISTED AS CARCINOGENS BY IARC, NTP, OR OSHA..
Effects of Overexposure:STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA), IRRITATION (NOSE, THROAT, AIRWAYS), CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, FATIGUE, HEADACHE, UNCONSCIOUSNESS).

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

First Aid:EYES: FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. LAUNDRY CLOTHING BEFORE REUSE. CLEAN SHOES BEFORE REUSE. SWALLOWING: CALL PHYSICIAN. IF DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE ON LEFT SIDE WITH HEAD DOWN. DO NOT LEAVE UNATTENDED. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION.

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

Flash Point Method:TCC
Flash Point:=-111.1C, 232.F
Autoignition Temp:=-397.8C, 748.F
Lower Limits:3.2
Upper Limits:15.3
Extinguishing Media:DRY CHEMICAL, WATER FOG, FOAM, OR CARBON DIOXIDE.
Fire Fighting Procedures:WATER MAY BE INEFFECTIVE. WATER

SPRAY MAY BE

USED TO KEEP FIRE EXPOSED CONTAINERS COOL. WEAR FULL PROTECTIVE CLOTHING AND NIOSH- APPROVED SELF- CONTAINED BREATHING APPARATUS WITH FULL FACE PIECE OPERATED IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:EMPTY CONTAINERS MAY CONTAIN VAPORS.

HAZARDOUS PRODUCTS OF COMBUSTION: MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE.

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

Spill Release Procedures:VENTILATE

AREA. REMOVE ALL SOURCES OF

IGNITION, ISOLATE AREA. WEAR PROTECTIVE GEAR, KEEP UNNECESSARY PERSONNEL AWAY. CONTAIN AND RECOVER LIQUID WHEN POSSIBLE. COLLECT LIQUID IN APPROPRIATE CONTAINER OR ABSORB WITH INERT MATERIAL SUCH AS VERMICULITE, DRY SAND, EARTH. DO NOT USE COMBUSTIBLE MATERIALS, AND PLACE IN A CHEMICAL WASTE CONTAINER. DO NOT FLUSH TO SEWER.

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL

DAMAGE. STORE

IN COOL, DRY WELL-VENTILATED LOCATION, AWAY FROM AREAS WHERE FIRE HAZARD MAY EXIST. STORE AND USE IN NO SMOKING AREA. EMPTY CONTAINERS MAY CONTAIN RESIDUE LIQUID AND VAPORS.

Other Precautions:ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE

PROCESSING SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

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

Respiratory Protection:PERSONAL RESPIRATORS (NIOSH APPROVED)

IF

EXPOSURE LIMIT IS EXCEEDED.

Ventilation:SYSTEM OF LOCAL OR GENERAL EXHAUST IS RECOMMENDED TO KEEP

EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST PREFERRED.

Protective Gloves:WEAR RESISTANT GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES, SAFETY GLASSES OR FULL FACE

SHIELD RECOMMENDED.

Other Protective Equipment:EYE WASH AND QUICK DRENCH FACILITIES SHOULD

BE NEAR WORK AREA. TO PREVENT REPEATED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Supplemental Safety and Health

THIS ENTRY DESCRIBES SECOND PART, "EMULSIFIER", SERIAL # "CLRBC", OF TWO PART KIT. SEE THIS SAME NSN FOR FIRST PART OF KIT, "FLUORESCENT PENETRANT", SERIAL # "CLRBB".

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

HCC:V5

Spec Gravity:1.12 @ 60F (9.3 LBS/GAL)

Solubility in Water:100%

Appearance and Odor:PINKISH RED LIQUID WITH MILD ODOR.

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

Stability Indicator/Material

s to Avoid:YES

AVOID STRONG ACIDS, ALKALIS, AND OXIDIZING AGENTS.

Stability Condition to Avoid:STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.

Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:SHELF LIFE: 3 YEARS FROM DATE OF MANUFACTURE.

===== Ecological Information =====

Ecological:NO DAT

A AVAILABLE ON PRODUCT.

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

Waste Disposal Methods:PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT OPTIONS. STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER FROM FEDERAL REGULATIONS. DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE, LOCAL REQUIREMENTS. NOTE: MSDS IS FOR AS SUPPLIED CONCENTRATE, MAY NOT BE APPLICABLE TO 20% IN USE MATERIAL.

=====

=====
MSDS Transport Information
=====

Transport Information:DOT INFORMATION: 49 CFR 172.101: NOT REGULATED.
REPORTABLE QUANTITY: 49 CFR 172.101: NOT APPLICABLE.

=====
Regulatory Information
=====

SARA Title III Information:SARA 302 COMPONENTS, 40 CFR 355 APPENDIX A:
NONE. SECTION 311/312 HAZARD CLASS, 40 CFR 370.2: IMMEDIATE AND
DELAYED. SARA 313 COMPONENTS, 40 CFR 372.65: NONE.

Federal Regulatory Information:TSCA: LISTED. CER

CLA RQ: W9 CFR

302.4(A): NONE LISTED.

State Regulatory Information:CALIFORNIA PROPOSITION 65 REQUIRES THE
FOLLOWING STATEMENT: PRODUCT MAY CONTAIN DETECTABLE AMOUNTS OF
SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

=====
Other Information
=====

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.