

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

Minumum % Wt:65.

Maxumum % Wt:80.

OSHA PEL:50 PP

M  
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 IRRIT ATION 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 ATTETNION . LAUNDER 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 UNATTEND ED. 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 DI

OXIDE.

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 OPERA TED IN THE PRESSURE DEMAND OR OTHER POSITVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:EMPTY CONTAINERS MAY CONTAIN VAPORS.  
HAZARDOUS PRODUCTS OF COMBUSTION: MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE.

===== Accidental Releas  
e 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 O R 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 =====  
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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 EVLUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

===== Exposure Controls/Personal Protection =====  
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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/Materials 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 DATA 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 CONCENTRAT E

, 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 CF  
R 372.65: NONE.  
Federal Regulatory Information:TSCA: LISTED. CERCLA 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 =====

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