

MET-L-CHEK COMPANY -- FP-93A(M) FLUORESCENT PENETRANT -- 6850-00-782-2732  
===== Product Identification =====

Product ID:FP-93A(M) FLUORESCENT PENETRANT

MSDS Date:01/01/2001

FSC:6850

NIIN:00-782-2732

MSDS Number: CJSQM

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID ST

City:SANTA MONICA

State:CA

ZIP:90404-3770

Country:US

Info Phone Num:310-450-1111

Emergency Phone Num

:1-800-424-9300

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:SP0450-00-M-D134

CAGE:98733

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:SP0450-00-M-D617

CAGE:98733

Company Name:MET-L-CHEK COMP

ANY  
Address:1639 EUCLID ST  
Box:00000  
City:SANTA MONICA  
State:CA  
ZIP:90404  
Country:US  
Phone:310-450-1111/FAX 310452-4046  
Contract Num:SP0450-00-M-D761  
CAGE:98733  
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:SP0450-00-M-SD40  
CAGE:98733  
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  
Co  
ntract Num:SP0450-00-M-SD80  
CAGE:98733  
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:SP0450-00-M-SE99  
CAGE:98733  
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:SP0450-00-M-SF01  
CAGE:98733  
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:SP0450-01-M-D867  
CAGE:98733

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

Ingred Name:HYDROTREATED MIDDLE DISTILLATE (PETROLEUM)  
CAS:64742-46-7  
RTECS #:JN9379645  
Minumum % Wt:40.  
Maxumum % Wt:70.  
OSHA PEL:5 MG/M3  
OSHA STEL:5 MG/M3  
ACGIH TLV:10 MG/M3 TWA  
ACGIH STEL:10 MG/M3

=====  
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:EYES: LIQUID MAY CAUSE IRRITATION,  
REDNESS, TEARING AND STINGING OF EYES. SKIN: MAY CAUSE IRRITATION  
WITH PROLONGED OR REPEATED CONTACT. SYMPTOMS MAY INCLUDE REDNESS,  
BURNING AND CRACKING OF SKIN. IN HALATION: SMALL AMOUNTS MAY NOT  
BE HARMFUL. LARGE AMOUNTS MAY BE HARMFUL. SWALLOWING: SMALL  
AMOUNTS MAY NOT PRODUCE HARMFUL EFFECTS. LARGE AMOUNTS MAY BE  
HARMFUL. INGESTION: SMALL AMO  
UNTS MAY NOT BE HARMFUL. LARGE  
AMOUNTS MAY BE HARMFUL.

Explanation of Carcinogenicity:THIS MATERIAL IS NOT KNOWN, TO CONTAIN  
ANY CONSTITUENTS LISTED AS A CARCINOGEN BY THE INTERNATIONAL AGENCY  
FOR RESEARCH ON CANCER, THE NATIONAL TOXICOLOGY PROGRAM, OR OSHA.

Effects of Overexposure:EYES: IRRITATION, REDNESS, TEARING, AND  
STINGING. SKIN: IRRITATION, REDNESS, BURNING, AND CRACKING OF SKIN.  
INHALATION: NOSE, THROAT, AND AIRWAYS IRRITATION, CENTRAL NERVOUS  
SYSTEM DEPRESSION

(DIZZINE SS, DROWSINESS, FATIGUE, HEADACHE, UNCONSCIOUSNESS). INGESTION: STOMACH OR INTESTINAL UPSET (NAUSEA, VOMITING, DIARRHEA).

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 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. LAUNDRER CLOTHING/ CLEAN SHOES BEFORE REUSE. SWALLOWING: CALL A PHYSICIAN IMMEDIATELY. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDIVIDUAL ON THEIR LEFT SIDE WITH THE HEAD DOWN. DO NOT LEAVE THE INDIVIDUAL UNATTENDED. INHALATION: MOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY.

===== Fire Fighting Measure

s =====

Flash Point Method:PMCC

Flash Point:=-93.3C, 200.F

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:NONE KNOWN. 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 AN APPROPRIATE CONTAINER OR ABSORB WITH AN INERT MATERIAL SUCH AS VERMICULITE, DRY SAND, OR EARTH; DO NOT USE COMBUSTIBLE MATERIALS, AND PLACE IN A CHEMICAL WASTE CONTAINER

NER. DO

NOT FLUSH TO SEWER!

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A 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. FOR INDUSTRIAL USE ONLY. KEEP CONTAINER CLOSED AND AWAY FROM HEAT, OPEN FLAME.

Other Precautions:ANY USE OF THIS PRODUCT IN ELEVATED TEMPERATURE PROCESSING SHOULD BE THOROUGHLY EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS. KEEP OUT OF REACH OF CHILDREN. DO NOT RE-USE CONTAINER FOR ANY OTHER PURPOSE UNTIL COMMERCIALY CLEANED.

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

Respiratory Protection:PERSONAL RESPIRATORS (NIOSH APPROVED) IF EXPOSURE LIMIT IS EXCEEDED.

Ventilation:SYSTEM OF LOCAL OR GENERAL EXHAUST RECOMMENDED TO KEEP

EMPLOYEE EXPOSURE BELOW AIRBORNE EXPOSURE LIMITS.

Protective Gloves:WEAR RESISTANT(IMPERVIOUS) GLOVES. NITRILE AND NEOPRENE RECOMMENDED.

Eye Protection:CHEMICAL SPLASH GOGGLES, SAFETY GLASSES OR FULL FACE SHIELD IN COMPLIANCE OSHA.

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING AND BOOTS TO PREVENT REPEATED OR PROLONGED SKIN CONTACT.. EYE WASH AND QUICK-DRENCH FACILITIES SHOULD BE NEAR WORK AREA.

Work Hygienic Practices:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

LOCAL EXHAUST VENTILATION PREFERRED TO CONTROL EMISSIONS OF THE CONTAMINANT AT ITS SOURCE.

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

HCC:V4

Boiling Pt:>204.4C, 400.F

B.P. Text:@760 MM HG

Spec Gravity:0.943 @ 60F(7.8 LBS/ GAL)

VOC Grams/Liter:7.8

Solubility in Water:INSOLUBLE

Appearance and Odor:FLUORESCENT YELLOW-GREEN LIQUID. SLIGHT HYDROCARBON ODOR.

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

Stab

ility Indicator/Materials to Avoid: YES

AVOID STRONG OXIDIZING AGENTS.

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

Hazardous Decomposition Products: MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Toxicological Information: NO DATA AVAILABLE ON PRODUCT.

===== 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 DISPOSAL REGULATIONS. DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

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

Transport Information:

DOT TRANSPORTATION INFORMATION: 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. SEC 311/312 HAZ CLASS 40 CFR 370.2: IMMEDIATE, DELAYED. SARA 313 COMPONENTS 40 CFR 372.65: NONE.

Federal Regulatory Information: LISTED ON THE TSCA INVENTORY. CERCLA RQ, 49 CFR SEC 302.4 (A): NONE LISTED.

State Regulatory Information: CA

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.

o 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.