

MET-L-CHEK COMPANY -- FP-93A(M) FLUORESCENT PENETRANT, (SEE SUPPL) --
6850-01-263-8230

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

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

MSDS Date:01/01/2001

FSC:6850

NIIN:01-263-8230

Status Code:A

Kit Part:Y

MSDS Number: CLRBB

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID ST

Box:00000

City:SANTA MONICA

State:CA

ZIP:90404

Cou

ntry: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:HYDROTREATED MIDDLE DISTILLATE

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
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:EYE CONTACT: LIQUID MAY CAUSE
IRRITATION, REDNESS, TEARING AND STINGING OF EYES. SKIN CONTACT:
MAY CAUSE SKIN IRRITATION WITH PROLONGED OR REPEATED CONTACT.
SYMPTOMS
MAY INCLUDE REDNESS, BURNING, AND CRACKING 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 KOWN 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: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 CLEAN WATER FOR 15 MINS. HOLD EYELIDS OPEN.
SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH
EXPOSED AREA WITH SOAP AND WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL
ATTENT ION. LAUNDER CLOTHING AND CLEAN SHOES BEF
ORE REUSE.
SWALLOWING: CALL A PHYSICIAN. IF INDIVIDUAL IS DROWSY/ UNCONSCIOUS,
DO NOT GIVE ANYTHING BY MOUTH; PLACE ON THEIR LEFT SIDE WITH HEAD
DOWN. DO NOT L EAVE 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: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 OPERATE D IN THE PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:NONE KNOWN. HAZARDOUS PRODUCTS OF COMBUSTION: MAY FORM CARBON DIOXIDE AND CARBON MONOXIDE.

===== Accidental Release Measures

Spill Release Procedures:VENTILATE AREA. REMOVE SOURCES OF IGNITION. ISOLATE AREA. WEAR PROTECTIVE GEAR. KEEP UNNECESSARY PERSONNEL AWAY. CONTAIN AND RECOVER LIQUID WHEN POSSIBLE. COLLECT LIQUID IN APPROPRIATE CONTAINER OR A BSORB WITH INERT MATERIAL SUCH AS VERMICULITE, DRY SAND, OR 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 A COOL, DRY WELL-VENTILATED LOCATION, AWAY FROM AREAS WHERE FIRE HAZARD MAY EXIST. STORE AND USE IN NO SMOKING AREA.

Other Precautions:EMPTY CONTAINERS MAY CONTAIN RESIDUE LIQUID AND VAPORS. 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:A SYSTEM OF LOCAL OR GENERAL EXHAUST RECOMMENDED TO KEEP EXPOSURE BELOW AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST VENTILATION PREFERRED TO CONTROL AT THE SOURCE.

Protective Gloves:WEAR RESISTANT GLOVES.

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

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPE

RVIOUS CLOTHING AND BOOTS. EYE WASH AND
QUICK-DRENCH FACILITIES SHOULD BE NEAR WORK AREA.

Supplemental Safety and Health

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

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

HCC:V4

Boiling Pt:>204.4C, 400.F

B.P. Text:@ 760 MMHG

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

Solubility in Water:INSOLUBLE

Appearan

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

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

Stability 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. PRODUCT 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 DISPOSAL REGULA

TIONS. DISPOSE

OF CONTAINER AND UN USED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

===== 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. CERCLA RQ - 49 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 com
piling 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.