

MET-L-CHEK COMPANY -- FP-97A(M) PENETRANT -- 6850-01-263-9778

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

Product ID:FP-97A(M) PENETRANT

MSDS Date:10/01/1999

FSC:6850

NIIN:01-263-9778

MSDS Number: CDJSY

=== 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:310-450-1111

Chemtrec I

nd/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-D-183

CAGE:98733

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

Ingred Name:HYDROTREATED MIDDLE DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Minumum % Wt:40.

Maxumum % Wt:70.

Other REC Limits:NONE RECOMMENDED

===== Haz

ards Identification =====

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYE CONTACT: LIQUID MAY CAUSE IRRITATION, SKIN CONTACT: MAY CAUSE SKIN IRRITATION WITH PROLONGED OR REPEATED CONTACT. 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 A CARCINOGEN BY THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER, THE NATIONAL TOXICOLOGY PROGRAM, OR OSHA.

Effects of Overexposure:EYES: REDNESS, TEARING AND STINGING OF EYES.

SKIN: MAY CAUSE REDNESS, BURNING, AND CRACKING OF SKIN. 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 AT LEAST 15 MINUTES. HOLD EYELIDS OPEN. SEEK MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH EXPOSED AREA WITH SOAP & WATER. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. 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: REMOVE TO FRESH

AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:PMCC

Flash Point:=-93.3C, 200.F

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:DRY CHEMICAL, WATER FOG, FOAM OR CARBON DIOXIDE.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE. WATER SP

RAY 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

===== 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. DO NOT FLUSH TO SEWER.

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

Handling and Storage Precautions:STORE IN COOL, DRY WELL-VENTILATED LOCATION, AWAY FROM WHERE FIRE HAZARD MAY EXIST. STORE & USE IN NO SMOKING ARE

A. EMPTY CONTAINERS MAY CONTAIN RESIDUE LIQUID & VAPORS.

USE OF PRODUCT IN ELEVATED TEMPERATURE PROCESSING SHOULD BE EVALUATED TO ESTABLISH AND MAINTAIN SAFE OPERATING CONDITIONS.

Other Precautions:PROTECT AGAINST PHYSICAL DAMAGE WITH HANDLING.

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

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

Ventilation:A SYSTEM OF LOCAL OR GENERAL EXHAUSE IS RECOMMENDED TO KEEP EM

EMPLOYEE EXPOSURE BELOW THE AIRBORNE EXPOSURE LIMITS. \*\*(SEE BELOW)

Protective Gloves:WEAR RESISTANT GLOVES.

Eye Protection:CHEMICAL SPLASH GOGGLES, SAFETY GLASSES OR FULL FACE SHIELD \*\*\*(SEE BELOW)

Other Protective Equipment:TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

Work Hygienic Practices:EYE WASH AND QUICK-DRENCH FACILITIES SHOULD BE NEAR WORK AREA.LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE. CLEAN SHOES BEFORE REUSE.

Supplemental Safety

and Health

\*\*LOCAL EXHAUST VENTILATION IS PREFERRED TO CONTROL THE EMISSIONS OF THE CONTAMINANT AT ITS SOURCE. \*\*\*IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED.

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

HCC:V4

NRC/State Lic Num:NONE

Boiling Pt:>204.4C, 400.F

B.P. Text:@760 MM HG

Decomp Temp:Decomp Text:NA

Vapor Pres:NA

Spec Gravity:0.969 @ 60F

pH:NA

Solubility in Water:INSOLUBLE.

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

ODOR.

Percent Volatiles by Volume:NA

Corrosion Rate:NA

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

Stability Indicator/Materials to Avoid:YES

AVOID STRONG OXIDIZING AGENTS.

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

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

Transport Information:NOT REGULATED.

=====

Regulatory Information =====

SARA Title III Information:IMMEDIATE & DELAYED SECTION 211/312 HAZARD CLASS. NO SARA 313 COMPONENTS.

Federal Regulatory Information:TSCA 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.

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.