

MET-L-CHEK COMPANY -- VP-31A VISIBLE RED PENETRANT -- 6850-01-267-7989

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

Product ID:VP-31A VISIBLE RED PENETRANT

MSDS Date:10/01/1999

FSC:6850

NIIN:01-267-7989

Status Code:A

MSDS Number: CKSTN

=== 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 452

-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:SP0450-00-M-D301

CAGE:98733

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

Ingred Name:HYDROTREATED MIDDLE DISTILLATE

CAS:64742-46-7

RTECS #:JN9379645

Minumum % Wt:40.

Maxumum % Wt:60.

=====

===== 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 MILD IRRITATION, REDNESS, TEARING AND STINGING OF EYES. 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: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 EYES WITH CLEAN WATER FOR AT 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 IMMEDIATELY. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDIVIDUAL ON THE LEFT SIDE WITH HEAD DOWN. DO NOT LEAVE 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 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.

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

Spill Release Procedures:VENTILATE AREA. REMOVE SOURCES OF IGNITION. ISOLATE HAZARD AREA. WEAR PROTECTIVE GEAR, KEEP UNNECESSARY PERSONNEL AWAY. CONTAIN AND RECOVER LIQUID WHEN POSSIBLE. USE NON-SPARKING TOOLS. 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:PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A COOL, DRY WELL-VENTILATED LOCATION, AWAY FROM AREAS WHERE FIRE

HAZARD OR IGNITION SOURCES 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:A SYSTEM OF LOCAL OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EXPOSURE BELOW AIRBORNE EXPOSURE LIMITS. LOCAL EXHAUST IS PREFERRED TO CONTROL EMISSIONS AT SOURCE.

Protective Gloves:WEAR RESISTANT GLOVES.

Eye Protection:CHEMICAL SPASH GOGGLES, SAFETY GLASSES OR FULL FACE SHIELD.

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

Supplemental Safety and Health

GENERAL ID: AMS-264

4 TYPE I I, METHODS B & C, PENETRANT.

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

HCC:V4

Boiling Pt:>204.4C, 400.F

Spec Gravity:0.862 @ 60F (7.1 LB/GAL)

Evaporation Rate & Reference:(ETHYL ETHER=1) NA

Solubility in Water:INSOLUBLE.

Appearance and Odor:DARK RED LIQUID, SLIGHT HYDROCARBON ODOR.

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS.

Stability Condition

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

Hazardous Decomposition Products:MAY FORM CARBON MONOXIDE, CARBON
DIOXIDE, AND VARIOUS HYDROCARBONS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:OSHA EXPOSURE LIMITS (VPEL): 5 MG/M3 (TWA). 5
MG/M3 (STEL). ACGIH THRESHOLD LIMIT (TLV): 10 MG/M3 (TWA). 10 MG/M3
(STEL).

===== 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: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,
DELAYED. SARA 313 COMPONENTS-40 CFR 372.65: NONE.
Federal Regulatory Information:TSCA: LISTED. CERCLA RQ: 49 CFR
302.4(A): NOT LISTED.
State Reg
ulatory 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, warran
ts 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.