

MET-L-CHEK COMPANY -- VP-31A PENETRANT -- 6850-01-266-4553

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

Product ID:VP-31A PENETRANT

MSDS Date:10/15/1986

FSC:6850

NIIN:01-266-4553

MSDS Number: BGRZC

=== Responsible Party ===

Company Name:MET-L-CHEK COMPANY

Address:1639 EUCLID STREET

City:SANTA MONICA

State:CA

ZIP:90404-3770

Country:US

Info Phone Num:213-450-1111

Emergency Phone Num:213-450-1111

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

CAGE:98733

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

Ingred Name:DISTILLATE (PETROLEUM),HYDROTREATED MIDDLE; ON MSDS MFR  
SIMPLY NOTED AS "PETROLEUM HYDROCARBON" FOR ABOVE CAS NO.

CAS:64742-46-7

RTECS #:JN9379645

OSHA PEL:5MG/CUM

ACGIH TLV:5MG/CUM

===== Hazards Ident

ification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:UNKNOWN IARC:UNKNOWN OSHA:YES  
Health Hazards Acute and Chronic:PER MANUFACTURER,MAY CAUSE SLIGHT  
IRRITATION TO SKIN ON CONTACT AND RESPIRATORY TRACT SYSTEM.  
Explanation of Carcinogenicity:CARCINOGENICITY OF THE PRODUCT FOR OSHA  
REQUIREMENTS IS SPECIFIED "YES" BY THE MFR BUT DID NOT SPECIFY THE  
COMPONENT.  
Effects of Overexposure:EYES:PRESUMED NON-IRRITATING;SKI  
N:SLIGHT  
IRRITATION ON LIQUID CONTACT;INHALATION:VAPORS OR OIL MIST MAY  
CAUSE MILD IRRITATION OF UPPER RESPIRATORY TRACT;INGESTION:MAY  
RESULT IN VOMITING.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN AND RESPIRATORY  
DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

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

First Aid:EYES:FLUSH WITH WATER.GET MEDICAL HELP IF IRRITATION OCCURS  
OR PERSISTS; SKIN:FLUSH WITH WATER.WASH WITH WATER & SOAP  
.GET MED  
ATTN FOR PERSISTING IRRITATION; INHALATION:REMOVE TO FRESH  
AIR.PROVIDE OXY GEN IF BREATHING IS DIFFICULT,GET MED ATTN IF  
NEEDED; INGESTION:DO NOT INDUCE VOMITING.GET MEDICAL ATTENTION.

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

Flash Point Method:PMCC  
Flash Point:188F(86.7C)  
Extinguishing Media:WATER FOG,DRY CHEMICAL,CARBON DIOXIDE OR FOAM; DO  
NOT USE DIRECT STREAM OF WATER.  
Fire Fighting Procedures:IN CONFINED AREA,DO NOT ENTER WITHOUT A FULL  
BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF  
CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:NOT KNOWN

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

Spill Release Procedures:ELIM IGNITION SOURCES.WEAR APPROPRIATE  
PROTECTIVE CLOTHING & RESPIRATOR.DIKE & TRANSFER LIQ TO A SALVAGE  
TANK.SOAK UP RESIDUE WITH ABSORBENT CLAY,SAND OR OTHER MATL.PLACE  
RAGS & ABSORBED WASTE MATERIA L IN COVERED NON-LEAKING CONTAINERS.

=====

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

Handling and Storage Precautions:KEEP AWAY FROM HEAT/IGNITION SOURCES.  
STORE IN DRY,COOL & VENTILATED LOCATION. DO NOT STORE NEAR  
OXIDIZING MATERIAL. AVOID PHYSICAL DAMAGE TO CANS.  
Other Precautions:MINIMIZE SKIN CONTACT.

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

Respiratory Protection:IF EXPOSURE EXCEEDS TLV,USE NIOSH APPROVED  
RESPIRATOR TO PREVENT OVEREXPOSURE.  
Ventilation:PER MANUFACTURER,PROVIDE  
LOCAL EXHAUST, OR  
MECHANICAL(GENERAL) VENTILATION TO MAINTAIN TLV.  
Protective Gloves:CHEMICAL RESISTANT  
Eye Protection:GOGGLES  
Other Protective Equipment:EYE WASH FOUNTAINS AND SAFETY SHOWERS  
Work Hygienic Practices:WASH WITH SOAP AND WATER BEFORE  
EATING,DRINKING,SMOKING OR USING TOILET FACILITIES.  
Supplemental Safety and Health  
NSN FOR 2 PARTS KIT OF TYPE II,METHOD B UNDER MIL-I-25135,REVISION D;  
I/AW QPL-25135-15,THE KIT CONTAINS 1-1 GAL CONTNR OF VP-31A  
PENETRANT & 1-1 GAL CO  
NTAINER OF E-50 EMULSIFIER; KEY1:F8; THIS  
ENTRY DESCRIBES P/N:VP-31A PENETRANT.

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

HCC:V4  
Boiling Pt:B.P. Text:>400F/>204C  
Spec Gravity:0.86  
Solubility in Water:NEGLIGIBLE  
Appearance and Odor:DEEP REDDISH-PURPLE LIQUID,HYDROCARBON ODOR.

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

Stability Indicator/Materials to Avoid:YES  
OXIDIZING MATERIAL  
Stability Condition to Avoid:HEAT & IGNITION SOURCES.  
Haza

rdous Decomposition Products:CARBON MONOXIDE & OTHER UNIDENTIFIED  
ORGANIC COMPOUNDS.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF AS EPA HAZARDOUS WASTE  
#D001,IGNITABLE WASTE.PLACE WASTE MATERIAL IN AN APPROPRIATE  
DISPOSAL FACILITY,OR DISPOSE OF IN COMPLIANCE WITH FEDERAL,STATE &  
LOCAL REGULATIONS.

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.