

MATERIAL SAFETY DATA SHEET

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***** I. PRODUCT IDENTIFICATION *****

TRADE NAME - Super-Eez Penetrating Oil
CHEMICAL FAMILY - Hydrocarbon & Chlorinated Hydrocarbon PRODUCT CODE: 6550

***** II. HAZARDOUS INGREDIENTS *****

1. Stoddard Solvent
CAS# 8052-41-3 PEL: 100 ppm TLV: 100 ppm WT.% 15-30
2. Methylene Chloride/Dichloromethane *
CAS# 75-09-2 PEL: 500 ppm TLV: 50 ppm WT.% 20-35
3. Heavy Paraffinic Distillates (petroleum) (oil mist)
CAS# 64742-54-7 PEL: 5mg/m³ TLV: 3mg/m³ WT.% 35-50

* This product contains a toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. Each regulated chemical is present at a concentration that does not exceed the above specified upper bound concentration value.

***** III. PHYSICAL/CHEMICAL DATA *****

BOILING POINT(°F): 104 SPECIFIC GRAVITY (H₂O=2): 0.9422
VAPOR PRESSURE (mm Hg): 350 @ 70 F PERCENT VOLATILE BY VOL.: 59
VAPOR DENSITY (Air=1): Not established SOLUBILITY IN WATER: Negligible
EVAPORATION RATE (Butyl Acetate=1): Not established
APPEARANCE AND ODOR - Amber liquid; aromatic odor

***** IV. FIRE AND EXPLOSION HAZARD DATA *****

FLASH POINT (°F): 160 (PMCC)
FLAMMABLE LIMITS: Not established
EXTINGUISHING MEDIA: Dry Chemical, CO₂, Water Fog
SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment. Cool exposed containers with water spray.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposes with fire to produce hydrogen chloride and possibly traces of phosgene gas. If in the aerosol cans, do not expose to temperatures above 120°F. due to contents being under pressure.
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 0
For the Aerosol Product:
HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0

***** V. HEALTH HAZARD DATA *****

TLV/PEL: Not established - See Section II
CARCINOGENS - The IRAC has concluded that there is sufficient evidence for the carcinogenicity of methylene chloride to experimental animals and inadequate evidence for carcinogenicity to humans resulting in a classification as a 2 B Carcinogen. The NTP has identified methylene chloride as an animal carcinogen.

The state of California has listed methylene chloride under Proposition 65 as a chemical known to the state to cause cancer.

Epidemiology studies of 751 humans chronically exposed to methylene chloride in the workplace of which 252 were exposed for a minimum of 20 years did not demonstrate any increase in deaths caused by cancer or cardiac problems. A second study of 2,227 workers confirmed these results.

PRINCIPAL ROUTES OF EXPOSURE - Inhalation, Skin and Eyes

EFFECTS OF OVEREXPOSURE - May be absorbed into the body by inhalation, ingestion and through the skin. Inhalation can cause vomiting, nausea, drowsiness, headache, narcosis, unconsciousness and even death in extreme cases. Can cause irritation due to deoiling of skin. May cause dermatitis in extreme cases. Eyes may experience redness, pain and blurred vision. Ingestion may cause abdominal pain, chest pain, coughing, headache, dizziness, nausea, vomiting and unconsciousness. May be aspirated into the lungs resulting in pneumonia. May cause liver injury or blood disorders through absorption.

EMERGENCY AND FIRST AID PROCEDURES - Remove to fresh air if inhaled. Administer oxygen if breathing is irregular or artificial respiration if breathing has stopped. Remove contaminated clothing and wash skin with soap and water. Flush eyes with water for 15 minutes; obtain medical attention if irritation persists. If ingested, DO NOT induce vomiting. Drink a quart of water; get medical attention immediately.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE - Unknown

NOTES TO PHYSICIAN - None

***** VI. REACTIVITY DATA *****

STABILITY - Stable CONDITIONS TO AVOID - Avoid open flames, hot glowing surfaces or electric arcs.

INCOMPATIBILITY (Materials to Avoid) - Strong alkalis, oxidizing materials and strong acids

HAZARDOUS DECOMPOSITION PRODUCTS - Thermal - hydrogen chloride, phosgene (small amounts), carbon dioxide

HAZARDOUS POLYMERIZATION - Will not occur CONDITIONS TO AVOID - None known

***** VII. PRECAUTIONS FOR SAFE HANDLING AND USE *****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED - Small spills: recover free product. Add absorbent to spill area; pick up and place in closed container. Large spills: evacuate the area, ventilate, contain spill by diking or transfer to closed container. Keep out of water supply.

WASTE DISPOSAL METHOD - Conform to Federal, State and/or Local disposal regulations. If in the aerosol containers: Do not puncture or incinerate. When all liquid is expelled, continue to depress button until gas has been exhausted.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE - Keep containers closed when not in use. Store in cool, dry, ventilated area. Keep away from open flames, hot surfaces or electric arcs. If in the aerosol containers, do not expose to temperatures above 120 °F. due to contents being under pressure.

OTHER PRECAUTIONS - Avoid smoking in presence of vapors. Personnel with history of heart disease should avoid prolonged or repeated contact.

***** VIII. CONTROL MEASURES *****

RESPIRATORY PROTECTION - None required with adequate ventilation. Where vapor concentrations exceed the TLV for ingredients in Section II, an approved full face respirator with organic cannister should be used.

VENTILATION - Maintain concentrations below TLV of ingredients in Section II

PROTECTIVE GLOVES - Neoprene, viton or polyvinyl coated

EYE PROTECTION - Chemical safety goggles - contacts should not be worn.
OTHER PROTECTIVE EQUIPMENT - Chemical resistant apron when splashing may occur
WORK/HYGIENIC PRACTICES - Observe good personal hygiene practice when handling
this material. Clothing or shoes which become contaminated should be removed
immediately and thoroughly laundered before wearing again.

***** IX. TRANSPORTATION DATA *****

Exception - See 49 CFR 173.118a(a)

DOT SHIPPING NAME - N/A UN/NA NUMBER - N/A
DOT HAZARD CLASS - N/A DOT LABEL(S) - N/A
FREIGHT CLASSIFICATION - Petroleum Oil

FOR AEROSOL CANS:

DOT SHIPPING NAME - Compressed Gas, NOS (Contains Carbon Dioxide)
DOT HAZARD CLASS - Nonflammable Gas UN/NA NUMBER - UN 1956
DOT LABEL(S) - Nonflammable Gas

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FOR ADDITIONAL INFORMATION CONTACT: Regulatory Affairs Office
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