

MATERIAL SAFETY DATA SHEET

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GENERAL INFORMATION NUMBER: 1-800-653-9795

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I - Product Identification

Heavy Duty Penetrating Oil

PRODUCT CODE: 0302

CHEMICAL FORMULATION: Teflon based lubricant.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme;

3 - High;

2 - Moderate;

1 - Slight;

0 - Insignificant

II - Hazardous Ingredients

Values reported as TWA unless noted.

SUBSTANCE	APPROX %	OSHA PEL	ACGIH TLV	EPA 40 CFR:			CAS #
				302	355	372	
Trichloroethylene	30.0-40.0	50 ppm	50 ppm	Y	N	Y	79-01-6
Hydrotreated Base Oil	45.0-55.0	5 mg/m ³ (as oil mist)	N/A	N	N	N	64742-52-5

Key: PEL: Permissible Exposure Limit TLV: Threshold Limit Value C: Ceiling level STEL: Short Term Exposure Limit
N/A: Not Applicable N/D: Not Determined N/E: Not Established Y: Yes N: No
302: CERCLA List of Hazardous Substances and Reportable Quantities (40 CFR 302.4).
355: SARA TITLE III / List of Extremely Hazardous Substances for Emergency Planning and Notification (40 CFR 355).
372: SARA TITLE III / List of Toxic Chemicals subject to Release Reporting (Community Right to Know) (40 CFR 372).

III - Physical Data

BOILING POINT (°F): N/A

SPECIFIC GRAVITY (WATER = 1): 1.04

VAPOR PRESSURE (mm Hg): N/D

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): N/D

EVAPORATION RATE (WATER = 1): > 1.0

SOLUBILITY IN WATER: Insoluble

pH: N/A

APPEARANCE AND ODOR: Clear, dark gold liquid, characteristic chlorinated solvent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): > 200

(TEST METHOD): Closed cup

FLAMMABLE LIMITS IN AIR (VOLUME %)

UPPER: N/A LOWER: N/A

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must use full protective gear including self-contained breathing apparatus.

Cool fire exposed containers with water fog

UNUSUAL FIRE AND EXPLOSION HAZARD: Use water spray to cool fire-exposed containers. Solvent vapors may cause flashback.

V - Reactivity Data

STABILITY: Stable**INCOMPATIBILITY:** Oxidizers, strong acids, alkalis and aluminum.**CONDITIONS TO AVOID:** None**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce hydrogen chloride, traces of phosgene and oxides of carbon.**HAZARDOUS POLYMERIZATION:** Will not occur.**CONDITIONS TO AVOID:** None

VI - Health Hazard Data

ROUTES OF ENTRY **INHALATION:** X **EYE CONTACT:** X **SKIN CONTACT:** X **INGESTION:** X
INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS:

Trichloroethylene (IARC 2A).

EFFECTS OF OVEREXPOSURE**IF IN EYES:** Moderate to severe irritation.**IF ON SKIN:** Redness, dryness, irritation, dermatitis with prolonged or repeated exposure.**IF SWALLOWED:** Gastrointestinal irritation, nausea, cramps, vomiting.**IF INHALED:** Irritation to upper respiratory tract, CNS depression, cardiac sensitization.**EMERGENCY AND FIRST AID PROCEDURES****IF IN EYES:** Flush eyes and under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, obtain medical attention.**IF ON SKIN:** Remove all contaminated clothing and launder separately before reuse. Wash with soap and water. If irritation persists, obtain medical attention.**IF SWALLOWED:** Contact physician or poison control center immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.**IF INHALED:** Remove person to fresh air. If breathing has stopped, administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention, if irritation persists.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area and remove all sources of ignition. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**WASTE DISPOSAL METHOD:** Consult local environmental authorities.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. If recommended Exposure Limits are exceeded, wear a NIOSH approved respirator, following the manufacturer's recommendations.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Recommended**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Chemical goggles and/or face shield.**OTHER PROTECTIVE EQUIPMENT:** Apron, eye wash station.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place. Keep container tightly closed when not in use. Wash thoroughly after handling.**OTHER PRECAUTIONS:** Keep out of reach of children.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Trichloroethylene solution**DOT CLASS:** 6.1**DOT ID NUMBER:** UN1710**DOT PACKING GROUP:** III

The shipping information listed above applies only to non-bulk (< 119 gallons) containers of this product. This product may have more than one proper shipping name depending on packaging, product properties, & mode of shipment. If any alteration of packaging, product, or mode of transportation is further intended, different shipping names and labeling may apply.

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Prepared by: PMR

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HEAVY DUTY PENETRATING OIL

This heavy duty penetrating oil contains a unique non-flammable blend of ingredients that greatly reduces surface tension to allow rapid and deep penetration of all corroded parts. It leaves a residual oil film to protect parts against further corrosion. This heavy duty penetrating oil loosens rusted bolts, nuts, studs, pipe fittings, exhaust systems, lock mechanisms, brake and speedometer cables and many other parts without fire hazard.

DIRECTIONS: Spray to saturate the corroded area. Tap fitting lightly and allow several minutes to penetrate. In extreme cases, a second application will speed removal after slight loosening has occurred.

**QUICKLY FREES RUSTED:
NUTS • BOLTS • STUDS • FITTINGS**

CAUTION: VAPOR HARMFUL.

Use only with adequate ventilation. Harmful if swallowed. See side panel for further cautions and first aid instructions.

KEEP OUT OF REACH OF CHILDREN

Sold By:

CAUTION: VAPOR HARMFUL.

Use only in well ventilated areas. Avoid prolonged breathing of vapor or contact with eyes, skin or mucous membranes. In case of contact, flush with plenty of water for at least 15 minutes and obtain medical attention. If inhaled, remove person to fresh air and obtain medical attention. If swallowed, give several glasses of water and induce vomiting. Call a physician immediately.

KEEP OUT OF REACH OF CHILDREN

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