

MATERIAL SAFETY DATA SHEET

Total Solutions
P.O. Box 240014
Milwaukee, WI 53224



GENERAL INFORMATION NUMBER: (414) 354-6417
CHEMTREC: (800) 424-9300

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I - Product Identification

Cutting & Tapping Fluid

PRODUCT CODE: 8103

CHEMICAL FORMULATION: Pressurized coolant and lubricating oil.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 2

FLAMMABILITY: 4

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	
Hydrotreated Light Naphthenic Oil	55.0-60.0	N/E	N/E	N	N	N	64742-53-6
Naphthenic Distillate-Heavy (as oil mist)	5.00-10.0	5 mg/m ³	5 mg/m ³	N	N	N	64741-96-4
White Mineral Oil	15.0-25.0	N/E	N/E	N	N	N	8042-47-5
Propane	5.00-10.0	N/E	800 ppm	N	N	N	74-98-6

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/D

SPECIFIC GRAVITY (WATER = 1): < 1.00

VAPOR PRESSURE (psig): 115 @ 130F

VOC CONTENT (% by weight): N/D

VAPOR DENSITY (AIR = 1): > 1.00

EVAPORATION RATE (WATER = 1): N/D

SOLUBILITY IN WATER: Negligible

pH: N/A

APPEARANCE AND ODOR: Black/dark amber liquid; solvent odor.

IV - Fire and Explosion Hazard Data

FLASH POINT (°F): N/D

(TEST METHOD):

FLAME EXTENSION: N/D

FLAMMABLE LIMITS IN AIR (VOLUME %) (PROPELLANT)

UPPER: 9.2

LOWER: 1.8

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical.

NFPA 30B Rating: 3

SPECIAL FIRE FIGHTING PROCEDURES: Cool fire exposed containers with water fog. Firefighters should be equipped with full protective gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARD: May produce toxic fumes when heated. Exposure to temperatures above 120 °F can cause cans to burst.

V - Reactivity Data

STABILITY: Stable.

INCOMPATIBILITY: Strong oxidizing agents.

CONDITIONS TO AVOID: Keep away from heat, direct sunlight, open flames or sparks. Dropping of containers may cause bursting.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce carbon monoxide and additional toxic chemicals in small amounts.

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: None

EFFECTS OF OVEREXPOSURE

IF IN EYES: May be irritating.

IF ON SKIN: May cause redness and irritation.

IF SWALLOWED: May result in vomiting, which could cause aspiration pneumonitis.

IF INHALED: May cause dizziness and drowsiness.

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: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin with soap and water. Wash clothing separately before reuse. Obtain medical attention.

IF SWALLOWED: Contact physician or poison control center immediately. Do not induce vomiting. If vomiting occurs spontaneously, aspiration (breathing) of vomitus into the lungs may be avoided by keeping the victim's head below the hips.

IF INHALED: Remove person to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.

NOTE TO PHYSICIAN: Product contains approximately 80% petroleum distillate.

VII - Spill or Leak Protection

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Ventilate area. Extinguish all sources of ignition. Soak up spilled material with inert absorbent material and place in a labeled closed container.

WASTE DISPOSAL METHOD: Consult local environmental authorities. Dispose of cans in non-incinerated trash.

VIII - Special Protection Information

RESPIRATORY PROTECTION: Use with adequate ventilation. Do not breathe vapors or mists. 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: Not required

PROTECTIVE GLOVES: Chemical resistant.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Protective clothing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in a cool, dry place away from heat, sparks or open flame. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal. Do not expose to direct sunlight or store at temperatures above 120 F.

OTHER PRECAUTIONS: Keep out of reach of children. Do not puncture or incinerate can.

IX - Transportation Information (ground transportation only)

DOT PROPER SHIPPING NAME: Consumer Commodity

DOT CLASS: ORM-D

DOT ID NUMBER: None

DOT PACKING GROUP: None

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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