

10/12/2018

Tapping Oil

**MATERIAL SAFETY DATA SHEET**

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

**TOTAL**  
**SOLUTIONS**

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

REVISION DATE: September 14, 2010  
DATE OF ISSUE: September 14, 2010

**I - Product Identification****Cutting & Tapping Oil**

PRODUCT CODE: 0301

CHEMICAL FORMULATION: Solvent based penetrating lubricant.

NFPA HAZARD IDENTIFICATION SYSTEM: HEALTH: 1

FLAMMABILITY: 1

REACTIVITY: 0

HAZARD RATING: 4 - Extreme; 3 - High; 2 - Moderate; 1 - Slight; 0 - Insignificant

**II - Hazardous Ingredients**

SUBSTANCE	OSHA	ACGIH	EPA 40 CFR:			CAS #
	PEL	TLV	302	355	372	
Severely hydrotreated heavy naphthenic petroleum oil - sulfurized	5 mg/m <sup>3</sup> (as an oil mist)	5 mg/m <sup>3</sup> (as an oil mist)	N	N	N	N/A
Non-hazardous Proprietary additives	N/E	N/E	N	N	N	Mixture

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): >500  
VAPOR PRESSURE (mm Hg): 0.01  
VAPOR DENSITY (AIR = 1): Heavier than air  
SOLUBILITY IN WATER: Insoluble  
APPEARANCE AND ODOR: Clear, black oily liquid; sulfur odor.

SPECIFIC GRAVITY (WATER = 1): 0.92  
VOC CONTENT (% by weight): None  
EVAPORATION RATE (ether = 1): Slower than ether  
pH: N/A

**IV - Fire and Explosion Hazard Data**

FLASH POINT (°F): >315 (TEST METHOD): Cleveland Open Cup  
FLAMMABLE LIMITS IN AIR (VOLUME %) UPPER: 7.0 LOWER: 0.9  
EXTINGUISHING MEDIA: Water fog, foam, carbon dioxide, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool fire-exposed containers. Firefighters must use full protective gear including self-contained breathing apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARD: Directly spraying extinguishing media onto hot burning products may cause frothing and spreading of fire.

**V - Reactivity Data****STABILITY:** Stable**INCOMPATIBILITY:** Strong oxidizing agents.**CONDITIONS TO AVOID:** Heat, sparks or open flame.**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may produce acrid smoke, oxides of carbon, nitrogen and sulfur.**HAZARDOUS POLYMERIZATION:** Will not occur.**VI - Health Hazard Data****ROUTES OF ENTRY INHALATION: EYE CONTACT: X SKIN CONTACT: X INGESTION:**  
**INGREDIENTS THAT ARE CONSIDERED BY OSHA, NTP, IARC TO BE SUSPECTED HUMAN CARCINOGENS: None****EFFECTS OF OVEREXPOSURE****IF IN EYES:** Irritation, redness, tearing.**IF ON SKIN:** May cause skin irritation or dermatitis with prolonged or repeated contact.**IF SWALLOWED:** Gastrointestinal irritation, nausea, vomiting, diarrhea. Small amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.**IF INHALED:** Respiratory tract irritation, dizziness, weakness, headache, nausea.**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:** Wash with soap and water. Remove all contaminated clothing and launder separately before reuse. 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. 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. Contain spill. Soak up spilled material with inert absorbent material and place in a properly marked closed container for proper disposal.**"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, DRILL, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove.****WASTE DISPOSAL METHOD:** "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Consult local environmental authorities.**VIII - Special Protection Information****RESPIRATORY PROTECTION:** Use with adequate ventilation. Do not breathe vapors or mists. In areas of high concentration, an NIOSH approved respirator must be used, following manufacturers recommendations.**VENTILATION****LOCAL:** Recommended**MECHANICAL:** Not Required**PROTECTIVE GLOVES:** Chemical resistant.**EYE PROTECTION:** Safety glasses or chemical goggles.**OTHER PROTECTIVE EQUIPMENT:** Protective clothing, eye wash station.**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Store in a cool, dry place away from heat and open flame. 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 ID NUMBER:** None**DOT PROPER SHIPPING NAME:** None**DOT CLASS:** 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.

**REVISION DATE:** September 14, 2010**Prepared by:** Technical Dept.**DATE OF ISSUE:** September 14, 2010

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## **Turner, Troy M.**

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**From:** Townsend,Tod  
**Sent:** Friday, October 12, 2018 2:12 PM  
**To:** Turner, Troy M.  
**Subject:** RE: Welding Question (Safety Data Sheets)

No sir they come in every box.

Tod

**From:** Turner, Troy M.  
**Sent:** Friday, October 12, 2018 1:52 PM  
**To:** Townsend,Tod  
**Cc:** Turner, Troy M.  
**Subject:** Welding Question (Safety Data Sheets)  
**Importance:** High

October 12, 2018

Mr. Townsend, good afternoon.

Do we need to provide Safety Data Sheets for the following for your department sir? If we do can you please provide me with the name of the company and product number.

Welding Rods  
Electrodes  
Wires

Your help is greatly appreciated sir.

**Troy M. Turner**  
**Textbook/Safety Clerk**

San Felipe Del Rio CISD  
800 West 15<sup>th</sup> Street (Rear)  
Del Rio, Tx  
78840

Phone: (830) 778-4239  
Cell Phone: (830) 734-5017  
Fax: (830) 778-7737  
Email: [troy.turner@sfdr-cisd.org](mailto:troy.turner@sfdr-cisd.org)