

# Material Safety Data Sheet

Kool Rite 2290 Max Metal Working Fluid

Date of Preparation: March 2011

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Metal Working Fluid – Kool Rite 2290 Max

**Chemical Formula:** 2010-1

**Manufacturer:** JTM Products, Inc., 31025 Carter Street, Solon, OH 44139, Phone (440) 287-2302, FAX (440) 287-3095  
(CHEM-TEL 24-hour emergency: (800) 255-3924)

## Section 2 - Composition / Information on Ingredients (CAS#)

Non-hazardous proprietary blend containing:  
Hydrotreated naphthenic oil (TLV = 5 mg/m<sup>3</sup>, mist) CAS #64742-52-5 less than 35% by weight

## Section 3 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

**HMS**

**H** 1

**F** 1

**R** 0

**PPE**<sup>†</sup>

<sup>†</sup>Sec. 8

### Potential Health Effects

**Eyes:** This product is an eye irritant. Avoid eye contact.

**Skin:** This product may cause skin irritation. Avoid prolonged skin contact. Product is slightly irritating.

Prolonged or repeated exposure may result in disorders such as dermatitis.

**Inhalation:** This product may irritate the lungs if inhaled as a mist. Avoid breathing mists and sprays. Breathing high vapor concentrations may cause dizziness, nausea, headache and loss of coordination.

**Ingestion:** This product is slightly toxic if ingested. Avoid ingestion.

**Carcinogenicity:** IARC, NTP, and OSHA do not list these ingredients as carcinogens.

## Section 4 - First Aid Measures

**Eye Contact:** Flush with copious volumes of water for 15 minutes while holding eyelids open. Seek medical attention.

**Skin Contact:** Wash with water or soap/water. Clean clothing before reuse. If irritation is present, seek medical attention.

**Inhalation:** For mist exposure, remove to fresh air. Use artificial breathing and oxygen as needed. Seek medical attention.

**Ingestion:** Do not induce vomiting. If large quantities are ingested, seek medical attention.

## Section 5 - Fire-Fighting Measures

**Flash Point:** 335 °F

**Flash Point Method:** TCC

**Autoignition Temperature:** NA

**Extinguishing Media:** Water, water fog, alcohol foam, carbon dioxide or dry chemical are all suitable.

**Fire or Explosion Hazards:** Can be made to burn.

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, partially burned hydrocarbons.

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

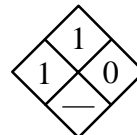
**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

**LEL:** NA

**UEL:** NA

**Flammability Classification:** 1

**NFPA**



## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** This product is made of NON-biodegradable oils and additives.

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Shut off ignition sources.

**Cleanup:** Place the bulk of any spilled material into drums, then absorb any remaining material on inert material. Wash with suitable cleaners. Discard in accordance with any applicable regulations.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## Section 7 - Handling and Storage

**Handling Precautions:** Handle as a combustible petroleum oil.

**Storage Requirements:** Store away from heat in closed containers

## Kool Rite 2290 Max Metal Working Fluid

### Section 8 - Exposure Controls / Personal Protection

**Ventilation:** Provide general or local exhaust ventilation systems.

**Respiratory Protection:** If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Physical and Chemical Properties

**Physical State:** Liquid

**pH:** 9.5

**Appearance and Odor:** amber liquid, oil odor

**Water Solubility:** emulsion/soluble

**Vapor Pressure:** NA

**Boiling Point:** mixture, contains water

**Vapor Density (Air=1):** NA

**Freezing/Melting Point:** N/A

**Formula Weight:** NA (blend)

**Evaporation Rate:** N/A

**Density:** ~8.3 lbs./gal.

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.0

### Section 10 - Stability and Reactivity

**Stability:** Kool-Rite 2290 Max is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:** none

**Conditions to Avoid:** Avoid contact with strong oxidizing agents and ignition sources.

**Hazardous Decomposition Products:** Thermal oxidative decomposition can produce oxides of carbon.

### Section 11- Toxicological Information

**Eye Effects:** Eye irritant.

**CONTAINS NO CARCINOGENS !**

**Skin Effects:** Slight skin irritant if allowed to remain in contact.

### Section 12 - Ecological Information

**Environmental Fate**

**Environmental Transport:** Unknown.

**Environmental Degradation:** Unknown. Ingredients used are not expected to be biodegradable.

**Soil Absorption/Mobility:** Unknown.

### Section 13 - Disposal Considerations

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 14 - Transport Information

**DOT labeling:** Petroleum Lubricant [Flash point above 300°F] National Motor Freight Class = 65

### Section 15 - Regulatory Information

**EPA Regulations:** All ingredients are on the TSCA inventory. SARA title III section 313 component reporting hydrotreated naphthenic oil (TLV = 5 mg/m<sup>3</sup>, mist) CAS #64742-52-5, less than 50% by weight. Not a RCRA hazardous waste.

### Section 16 - Other Information

**Prepared By:** D. Barrer

**Approved By:** D. Barrer

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