

Material Safety Data Sheet

Kool Rite 2290 HP Metal Working Fluid

Date of Preparation: March 2011

Section 1 - Chemical Product and Company Identification

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

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/m³, mist) CAS #64742-52-5 less than 35% by weight

Section 3 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

HMIS

H 1

F 1

R 0

PPE†

†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.

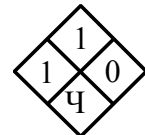
Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

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

Section 8 - Exposure Controls / Personal Protection

Ventilation: Provide general or local exhaust ventilation systems.

Kool Rite 2290 HP Metal Working Fluid

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 (H₂O=1, at 4 °C): 1.0

Section 10 - Stability and Reactivity

Stability: Kool-Rite 2290 HP 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/m³, 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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