



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

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**FOR CHEMICAL
EMERGENCY**

Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: RED LION COOL TOOL II

DATE PREPARED: October 23, 2008

PART NUMBER: 74185

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: PRODUCT CUTTING FLUID

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SECTION 2 – COMPOSITION, INFORMATION ON INGREDIENTS

HMS RATING:

Health: 2*

Flammability: 0

Reactivity: 0

PRODUCT NAME: TOOL COOL II Cutting Fluid

% by WT	CAS No.	INGREDIENT		UNITS	VAPOR PRESSURE
98	79-01-6	TRICHLOROETHYLENE	ACGIH TLV	10 ppm	57.8 mm
			ACGIH TLV	25 ppm STEL	
			OSHA PEL	100 ppm	
3	124-38-9	CARBON DIOXIDE	ACGIH TLV	5000 ppm	760 mm
			OSHA PEL	5000 ppm	

SECTION 3 – HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE: INHALATION of vapor or spray mist. EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE:

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system. In a confined area vapors in high concentration may cause headache, nausea or dizziness. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular, nervous and respiratory systems.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized.

CANCER INFORMATION: For complete discussion of toxicology data refer to Section 11.

SECTION 4 – FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT **LEL** **UEL**

Not Applicable N/A N/A.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE/ EXPLOSION HAZARDS: Closed containers may explode, due to the build-up of pressure, when exposed to extreme heat. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

N/A — NOT APPLICABLE
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

SECTION 7 – HANDLING AND STORAGE

STORAGE CATEGORY: Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE: Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using.

VENTILATION: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

PROTECTIVE GLOVES: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION: Wear safety spectacles with unperforated sideshields.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS

PRODUCT WEIGHT: 12.04 lb/gal 1442 g/l

SPECIFIC GRAVITY: 1.45

BOILING POINT: <0 - 188 F <-18 - 86 C

MELTING POINT: Not Available

VOLATILE VOLUME: 100 %

EVAPORATION RATE: Faster than ether

VAPOR DENSITY: Heavier than air

SOLUBILITY IN WATER: N/A

VOLATILE ORGANIC COMPOUNDS: (VOC Theoretical - As Packaged)

Volatile Weight: 97.50% Less Water and Federally Exempt Solvents

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: *By fire:* Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS: Mice exposed to trichloroethylene developed liver tumors in several laboratory studies, however, other animal studies and all human epidemiological studies have found no association between trichloroethylene and cancer.

TOXICOLOGY DATA:

CAS NO.	INGREDIENT NAME				
79-01-6	Trichloroethylene	LC50	RAT	4HR	Not Available
		LD50	RAT		4920 mg/kg
124-38-9	Carbon Dioxide	LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution. This product contains trichloroethylene, a highly volatile solvent which is a toxic waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. In normal use this chemical will quickly evaporate, however grease or other residue removed by this product may contain sufficient trichloroethylene to be classified as a toxic waste.

SECTION 14 – TRANSPORT INFORMATION

US Ground (DOT): May be classed as Consumer Commodity, ORM-D UN1950, AEROSOLS, 2.2, LIMITED QUANTITY, (ERG#126)

Canada (TDG): May be classed as Consumer Commodity, ORM-D UN1950, AEROSOLS, CLASS 2.2, LIMITED QUANTITY, (ERG#126)

IMO: May be shipped as Limited Quantity. UN1950, AEROSOLS, CLASS 2.2, LIMITED QUANTITY, EmS F-D, S-U

SECTION 15 – REGULATORY INFORMATION**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
79-01-6	TRICHLOROETHYLENE	98	

CALIFORNIA PROPOSITION 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 – OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.