

**CHEM INTERNATIONAL****MATERIAL SAFETY DATA SHEET****EMERGENCY#: CANUTEC (613) 996-6666****PRODUCT IDENTIFICATION AND PREPARATION INFORMATION**

**PRODUCT NAME:** C.I. Dry Graphite Lubricant  
**WHMIS CLASS:** Class A, Class B-Div 5, Class D-Div 2B  
**T.D.G. CLASSIFICATION:** Consumer commodity  
**UN:** N/A **CLASS:** N/A **PG:** N/A  
**MATERIAL USE:** Aerosol lubricant.

**EFFECTIVE DATE:** January 7, 2009**HAZARDOUS INGREDIENTS**

CHEMICAL NAME	CAS #	%WT 313/Chem	Skin	Carcinogen	PEL	TWA/TLV
Acetone	7-64-1	40-50	NO	NO	1000 ppm	750 ppm
Propane	4-98-6	10-20	NO	NO	1000 ppm	1000 ppm
Isopropyl Alcohol	7-63-0	10-20	NO	NO	400 ppm	400 ppm
n-Butane	06-97-8	10-20	NO	NO	800 ppm	800 ppm
Toluene	08-88-3	01-10	YES	NO	200 ppm	50 ppm
Graphite	782-42-5	01-10	NO	NO	2.5 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>

**PHYSICAL DATA****BOILING POINT:** -47°F**pH:** N/A**SOLUBILITY IN WATER:** Partial**APPEARANCE/ODOR:** Black Coating / Solvent Odor**VAPOR PRESSURE @ 68°F:** 40 PSI (2750 hPa)**VAPOR DENSITY (AIR=1):** >1**SPECIFIC GRAVITY (H2O=1) @75°F:** 0.77-0.90**VOC % BY WEIGHT:** 48.1%**VOC CONTENT:** 0.48 kg/l (4.01 lb/gal)**SOLIDS CONTENT:** 3.0%**FIRE AND EXPLOSION DATA****FLASH POINT:** -2°F**FLAMMABILITY (as per USA Flame Projection Test):** Extremely Flammable Spray**EXTINGUISHING MEDIA:** CO<sub>2</sub>, Sand, Dry Media or Water Spray**SPECIAL FIRE FIGHTING PROCEDURES:** Cool fire exposed containers to prevent rupturing. Fight larger fires with water spray or alcohol resistant foam.**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Exposure to temperature above 120° F may cause bursting.**REACTIVITY DATA****STABILITY:** Material Stable.**HAZARDOUS POLYMERIZATION:** Will not occur.**INCOMPATIBILITY:** Avoid contact with strong oxidizing agents**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon Monoxide.**FIRST AID****EYES:** Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. Seek medical attention.**SKIN:** Wash with soap and water. If irritation persists seek medical attention.**INHALATION:** Remove to fresh air. Seek medical attention immediately. If breathing stops give artificial respiration.**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

## TOXICOLOGICAL PROPERTIES

**ROUTE OF ENTRY:** Eyes, skin contact, inhalation, ingestion

**EFFECTS OF ACUTE EXPOSURE:**

**EYES:** Irritating effect.

**SKIN:** Frequent or prolonged contact may cause irritation.

**INHALATION:** Inhalation of mist has a narcotizing effect and can cause irritation of nasal and respiratory passages. Abusive or excessive inhalation may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

**EFFECTS OF CHRONIC EXPOSURE:**

**SKIN:** N/AV

**IRRITANCY:** Non-Hazardous by WHMIS criteria

**RESPIRATORY TRACT SENSITIZATION:** No data available

**CARCINOGENICITY:** Non-Hazardous by WHMIS criteria

**REPRODUCTIVE TOXIN:** N/AV.

**TERATOGENICITY:** Insufficient data available

**MUTAGENICITY:** Insufficient data available

**SYNERGISTIC MATERIALS:** N/AV

**EXPOSURE LIMITS:** N/AV

## PREVENTATIVE MEASURES

**RESPIRATORY PROTECTION:** If ventilation is not adequate to reduce vapors below Threshold Limit Value (TLV) levels, use a NIOSH/MSHA approved air-purifying respirator equipped with an organic vapor cartridge.

**VENTILATION:** Provide local exhaust to keep TLV of Section II ingredients below acceptable limits.

**PROTECTIVE GLOVES:** Use chemical resistant gloves if hand contact will be made.

**EYE PROTECTION:** Wear chemical proof goggles

**ENGINEERING CONTROLS:** General ventilation normally adequate.

**STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK:** Allow propellant to evaporate. Maintain local exhaust and adequate ventilation. No smoking. Keep sparks, heat sources and open flame far away from spill or leak. Cover with absorbent material and sweep up. Wash area to prevent slipping. Dispose of soaked absorbent material in accordance with Federal, Provincial and local laws.

**WASTE DISPOSAL METHOD:** Aerosol cans, when emptied and depressurized through normal use, pose no disposal hazard and should be recycled. Consult Federal, Provincial and local authorities for approved procedures.

**STORAGE REQUIREMENTS:** Store in closed container. Store away from incompatible materials.

**HANDLING PROCEDURES:** Not available.

## HMIS HAZARD RATING INFORMATION

FIRE	REACTIVITY	HEALTH	PERSONAL PROTECTION
4	3	1	B

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

**DISCLAIMER:** Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

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