

DRY GRAPHITE

Product: MLT431
Revision Date: 2015/05/14

Section 1: PRODUCT INFORMATION

Chemical family: Mixture.

Product uses: Dry film lubricant.

Manufacturer: CRC Canada, Inc.
1246 Lorimar Drive, Unit #2
Mississauga, Ontario
L5S 1R2.

Manufacturer emergency phone number: Chemtrec 800-424-9300.

Information phone number: 905-670-2291

Supplier: Same as manufacturer.

TDG classification:

AEROSOLS
UN1950
Class 2.1.



Special instructions: Limited Quantity exemption may apply.

WHMIS classification:

A, B5, D2B.



DSL status: Appears on DSL.

Supplier (M)SDS date: 2015/05/14.

Product name: Dry Graphite

Section 2: HAZARDOUS INGREDIENTS

C.A.S.	CONCENTRATION %	Ingredient Name	TLV	LD50	LC50
67-63-0	1 - 5	2-PROPANOL	200 PPM	5000 MG/KG RAT ORAL 3600 MG/KG MOUSE ORAL 6410 MG/KG RABBIT ORAL 12,800 MG/KG RABBIT DERMAL	53,000 MG/M3 MOUSE INHALATION 72,600 MG/M3 RAT INHALATION 16,000 PPM/8H RAT INHALATION
67-64-1	60 - 100	ACETONE	500 PPM	5800 MG/KG RAT ORAL 3000 MG/KG MOUSE ORAL 5340 MG/KG RABBIT ORAL	50,100 MG/M3/8H RAT INHALATION 44,000 MG/M3/4H MOUSE INHALATION
74-98-6	10 - 30	PROPANE	1000 PPM	NOT AVAILABLE	>800000 PPM/15MIN RAT INHALATION

Section 3: PHYSICAL DATA

Physical state: Liquid (aerosol).

Appearance & odor: Black
Ketone odour.

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): @ 20°C (68°F).
60 - 70

Vapour density (air=1): > 1

Volatiles (%)

By volume: Not available.

Volatiles (%)

By weight: 27%

**Evaporation rate
(butyl acetate = 1):** Fast

Boiling point (°C): (initial boiling point).
57°C

Freezing point (°C): Not available.

pH: Not available.

Specific gravity @ 20 °C: 0.66-0.70

Solubility in water (%): Not available.

Coefficient of water\oil dist.: Not available.

VOC: 189 g/L; 1.57 lb/gal

Section 4: FIRE & EXPLOSION DATA

Flammability: Flammable aerosol.

Conditions of flammability: Heat, sparks and open flames.
May cause flash fire.

Extinguishing media: Carbon dioxide, dry chemical, foam.
Water

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.
Use water spray to disperse vapors.
Use water spray to cool fire exposed containers.

Auto-ignition temperature (°C): 398.8-465°C

Flash point (°C), method: Tag Closed Cup.
-20

**Lower flammability
limit (% vol):** 1.9

**Upper flammability
limit (% vol):** 12.8

Explosion Data

- Sensitivity to static discharge:** Not available.
- Sensitivity to mechanical impact:** Contents under pressure.
- Hazardous combustion products:** Smoke
Hydrocarbon fumes.
Carbon monoxide where combustion is incomplete.
- Explosive power:** Vapours will accumulate and may ignite explosively.
Aerosol containers are extremely flammable. Containers may rupture if exposed to heat or fire.

Section 5: REACTIVITY DATA

- Chemical stability:** Product is stable.
- Conditions of instability:** Heat, sparks & open flame.
- Hazardous polymerization:** Not available.
- Incompatible substances:** Strong oxidizing agents.
- Hazardous decomposition products:** Carbon monoxide.
Smoke
Hydrogen.

Section 6: TOXICOLOGICAL PROPERTIES

- Route of entry:** Skin contact, eye contact, inhalation and ingestion.
- Effects of acute exposure**
- Eye contact:** May cause irritation.
- Skin contact:** Pre-existing skin disorders may be aggravated by exposure.
May cause irritation.
- Inhalation:** May cause irritation of the respiratory tract.
Propellant is a simple asphyxiant.
- Ingestion:** May cause headache, nausea, vomiting and weakness.
- Effects of chronic exposure:** May cause defatting and dermatitis.
- LD50 of product, species & route:** Not available for mixture, see the ingredients section.
- LC50 of product, species & route:** Not available for mixture, see the ingredients section.
- Exposure limit of material:** Not available for mixture, see the ingredients section.
- Sensitization to product:** Not available.
- Carcinogenic effects:** None of the ingredients appearing in the ingredients Section are listed as carcinogens.
- Reproductive effects:** Not available.
- Teratogenicity:** Not available.
- Mutagenicity:** Not available.
- Synergistic materials:** Not available.

Section 7: PREVENTATIVE MEASURES

Precautionary Measures

Gloves/Type:



Nitrile or viton.
PVA coated.

Respiratory/Type: None required under normal use.



In enclosed areas, wear a self-contained breathing apparatus.
NIOSH approved respirator with organic vapor cartridge is required if ventilation is inadequate or exposure limits are exceeded.

Eye/Type: Splash proof chemical goggles.



Safety glasses.

Footwear/Type: Safety shoes per local regulations.

Clothing/Type: Wear adequate protective clothes.
As required to prevent skin contact.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Local exhaust and/or general ventilation.
To control levels below exposure guidelines.

Leak/Spill: Eliminate all sources of ignition.
Dike area to prevent spreading.
Prevent entry into drains, sewers, and other waterways.
Ventilate area.
Wear appropriate protective equipment.
Soak up with an absorbent material.
Place in a closed container for disposal.
Do not flush to sewer.

Waste disposal: In accordance with municipal, provincial and federal regulations.
Recycle waste where applicable.

Handling procedures and equipment: Protect against physical damage.
Keep away from heat, sparks, and open flame.
Avoid breathing vapors/mists.
Use adequate ventilation.
Wash thoroughly after using, particularly before eating or smoking.
Wear personal protective equipment appropriate to task.
Contents under pressure.
Avoid contact with skin, eyes and clothing.
Launder contaminated clothing prior to reuse.

Storage requirements: Keep away from heat, sparks, and open flames.
Keep out of direct sunlight.
Store in a cool and dry place.
Store below 49°C.

TDG classification:

AEROSOLS
UN1950
Class 2.1.



Special instructions: Limited Quantity exemption may apply.

Special shipping information: See transportation information.

Section 8: FIRST AID MEASURES

Skin contact: Remove contaminated clothing.
Wash thoroughly with soap and water.
Seek medical attention if irritation persists.

Eye contact: Flush with a gentle stream of water for 15 minutes.
Seek medical attention if irritation persists.

Inhalation: Keep person warm and at rest.
Remove victim to fresh air. If breathing is difficult administer oxygen. If not breathing, have qualified person give artificial respiration. Obtain medical attention.

Ingestion: Do not induce vomiting, seek immediate medical attention.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 9: ADDITIONAL INFORMATION

General note: This safety data sheet was prepared from information obtained from various sources, including product suppliers and the Canadian Center for Occupational Health and Safety.

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