

SECTION 1. IDENTIFICATION AND COMPANY DETAILS

Product name: Chain Guard Food Grade White Graphite 220 H1
Product Code: CG-FSG-220-H1
Identified Use: Food grade chain lubricant where incidental food contact may occur.
Chemical Family: Ester Based Lubricant
Supplied By: Chain Guard Industrial Lubricants
21 Amber Street, # 9
Markham, Ontario, L3R 4Z3 Canada
Non-Emergency: 905.752.LUBE (5823) (telephone)
Emergency: 613.996.6666 (CANUTEC)

SECTION 2. HAZARD(S) IDENTIFICATION

Classification: Skin Irrit. 3;H316 Causes mild skin irritation. (Not adopted by US OSHA)
Label Elements: Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H316 Causes mild skin irritation.

Prevention: No GHS prevention statements
Response: P332+313 If skin irritation occurs: Get medical advice / attention.
Storage: No GHS storage statements
Disposal: No GHS disposal statements
Additional Information: Not Applicable / None Available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is considered a mixture.

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
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Proprietary Polyol Ester CAS Number: Proprietary	50 - 75	Not Classified	
Proprietary Polymer Ester CAS Number: Proprietary	25 - 50	Not Classified	
Olefin copolymer with dicarboxylic acid ester CAS Number: Proprietary	1.0 - 10	Skin Irrit. 2;H315	[1]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

This formulation is considered a trade secret and specific chemical identity and exact percentage (concentration) of composition may have been withheld. Trade secrets are allowable per paragraph (i) of 29 CFR 1910.1200 as long as specific chemical identity and exact percentage composition are available and will be provided to health professionals, employees, or designated representatives in accordance with applicable provisions of paragraph (i).

SECTION 4. FIRST AID MEASURES

4.1 First Aid Measures

Ingestion: If swallowed, observe victim for 24 hours; seek medical attention if needed. Do NOT induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration.

Skin Contact: For skin contact, wipe away excess material with a dry towel. Then, for several minutes, wash affected areas with plenty of water and mild soap if available. Seek medical attention if irritation occurs. Remove contaminated clothing.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Inhalation: Remove to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Notes to Physician: Treatment based on sound judgment of physician and individual reactions of patient.

4.2. Important symptoms and effects, both acute and delayed

Overview: No specific symptom data available. See section 2 for further details.

Skin: Causes mild skin irritation. (Not adopted by US OSHA)

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: > 275°C (527°F)

Extinguishing Media	Dry chemical, Foam, CO ₂ , or Water fog.
Special hazards arising from the substance or mixture:	Hazardous decomposition: None under normal use.
Mechanical Impact Sensitivity:	None known
Firefighting Procedures:	Containers can build up pressure when exposed to heat or fire. If a fire involving large amounts of material should develop it should not be approached due to the risk of rupture by individual containers causing a "fireball" effect. Firefighters should wear self-contained breathing apparatus and full protective clothing gear to prevent contact with skin and eyes. Use water spray to cool nearby containers and structures exposed to fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Action to be taken if product is released or spilled:	Evacuate personnel to safe areas. Use personal protective equipment. Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section. Large quantity spills should be contained and pumped into drums for recovery or disposal.
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SECTION 7. HANDLING AND STORAGE

7.1.	
Precautions for safe handling	See section 2 for further details.
7.2.	
Conditions for safe storage, including any incompatibilities:	Handle containers carefully to prevent damage and spillage. Store in a cool dry place. Keep containers tightly closed.
Incompatible materials:	Incompatible with strong oxidizing agents See section 2 for further details.
7.3. Specific end use(s):	No data available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
Proprietary	Olefin copolymer with dicarboxylic acid ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Proprietary	Proprietary Polymer Ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Proprietary	Proprietary Polyol Ester	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
Proprietary	Olefin copolymer with dicarboxylic acid ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Proprietary Polymer Ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Proprietary Polyol Ester	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Engineering Controls:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

- Respiratory Protection:** If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
- Protective Gloves:** Use gloves as a standard industrial handling procedure.
- Eye and Face Protection:** Wear safety glasses or goggles to protect against exposure.
- Skin:** Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact.
- Other Protective Equipment:** None Required

SECTION 9. PHYSICAL AND CHEMICAL PROTECTION

Boiling Point	N/A
Melting Point / Freezing Point	N/A
Pour Point	-24°C
Physical State	Liquid
Flash Point	269°C
Odour / Odor	Mild - Characteristic
Colour / Color	Clear Bright
pH	N/A
Solubility in Water	N/A
Viscosity	230 cst @ 40 C
Upper/lower flammability or explosive limits	LEL: Not Measured
Specific Gravity	0.99
Partition Coefficient: n-octanol/water (Low Kow)	Not Determined

SECTION 10. STABILITY AND REACTIVITY

- Stability:** Stable under normal temperatures and storage conditions
- Conditions to Avoid:** None known
- Hazardous Decomposition:** None under normal usage
- Hazardous Polymerization Reactivity:** Hazardous polymerization does not occur
- Incompatibility (Materials to Avoid):** None known

SECTION 11. TOXOLOGICAL INFORMATION

Acute toxicity

Product is safe for intended use based on the formulation, testing results and the long history of safe consumer use.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50,	Inhalation Dust/Mist LD50,	Inhalation Gas LD50,

			mg/L/4hr	mg/L/4hr	ppm
Proprietary Polyol Ester - (Proprietary)	No data available	No data available	No data available	No data available	No data available
Proprietary Polymer Ester - (Proprietary)	No data available	No data available	No data available	No data available	No data available
Olefin copolymer with dicarboxylic acid ester - (Proprietary)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation. (Not adopted by US OSHA)
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Proprietary Polyol Ester - (Proprietary)	Not Available	Not Available	Not Available
Proprietary Polymer Ester - (Proprietary)	Not Available	Not Available	Not Available
Olefin copolymer with dicarboxylic acid ester - (Proprietary)	Not Available	Not Available	Not Available

12.2. **Persistence and degradability:** There is no data available on the preparation itself.

12.3. **Bioaccumulative potential:** Not Measured

12.4. **Mobility in soil:** No data available.

12.5. **Results of PBT and vPvB assessment:** This product contains no PBT/vPvB chemicals.

12.6. **Other adverse effects:** No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Method: As local regulations may vary; all waste must be disposed/recycled/reclaimed in accordance with federal, state, and local environmental control regulations.

SECTION 14. TRANSPORT INFORMATION

Department of Transportation Information

Shipping Name: Non-Regulated
Hazard Class: Non-Regulated
Label(s): NONE
UN/NA Number: NONE
Placards: NONE

International Transportation Classifications

**IATA Dangerous Goods
Regulation (DGR) 57th Edition
2016:**

Non-Regulated

**IMDG, International Maritime
Dangerous Goods:**

Non-Regulated as dangerous goods.

SECTION 15. REGULATORY INFORMATION

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance
Control Act (TSCA):** All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification: Not Regulated

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

**EPCRA 311/312
Chemicals and RQs:** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 302 Extremely
Hazardous:** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**EPCRA 313 Toxic
Chemicals:** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65
Carcinogens (>0.0%):** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65
Developmental Toxins
(>0.0%):** To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65
Female Repro Toxins
(>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Proposition 65
Male Repro Toxins (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

N.J. RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Penn RTK Substances (>1%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

SECTION 16. OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is: H315 Causes skin irritation

Revision Date 01/15/2017

Revision Note Not applicable.

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

***** END OF SDS *****