

# Material Safety Data Sheet

## SECTION I - IDENTIFICATION AND COMPANY DETAILS

**Product name:** Chain Guard Food Safe 220 H1  
**Product Code:** CG-FS-220-H1

**Company Name:** Chain Guard Industrial Lubricants  
**Company Address:** 21 Amber Street, # 9  
Markham, Ontario  
L3R 4Z3 Canada

**Telephone Number:** 1.905.752.LUBE (5823)  
**Fax Number:** 1.905.475.3286  
**Emergency Number:** 613.996.6666 (CANUTEC)  
**Date Prepared:** Feb 15 2014  
**Date Revised:** Feb 15 2014



Health Hazard	1
Fire Hazard	1
Reactivity	0



Accepted For Use In  
Canadian Food Facilities



## SECTION II – COMPOSITION INFORMATION

**Chemical Name:** Synthetic Mixed Esters and Additives  
**Physical Appearance:** Amber in colour  
**Physical State:** Liquid  
**Odour:** Characteristic

## SECTION III - HAZARDS IDENTITY INFORMATION

**OSHA Regulatory Status:** This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Principal Routes of Exposure:** Oral and Dermal - Skin and Eye

**Effects from Acute Exposure:**

- Ingestion: Single dose oral toxicity is relatively low. Small amounts swallowed incidentally is not likely to cause injury; swallowing larger amounts may cause injury.
- Inhalation: None known
- Skin Contact: May cause mild skin irritation
- Eye Contact: May cause mild eye irritation

**Aggravated Medical Conditions:** None known  
**Sub-chronic Effects:** None known  
**Chronic Effects/Carcinogenicity:** Not listed in IARC, NTP, or 29CFR  
**Other:** None known

## SECTION IV – FIRST AID MEASURES

**Ingestion:** If swallowed, observe victim for 24 hours; seek medical attention if needed. If vomiting occurs, keep head lower than hips to prevent aspiration.

**Inhalation:** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

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

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## SECTION IV – FIRST AID MEASURES (Continued)

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**Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

**Notes to Physician:** Treatment based on sound judgment of physician and individual reactions of patient. Product contains a minimal amount of triphenyl phosphate that has been reported to be a weak cholinesterase inhibitor in humans. Atropine and/or pralidoxime may be antidotal in cases with ingestion of a large amount of this product if cholinesterase inhibition is suspected.

**\*\*\*ALWAYS SEEK MEDICAL ATTENTION IF ANY IRRITATION OR ALLERGIC REACTIONS DEVELOP\*\*\***

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## SECTION V – FIREFIGHTING MEASURES

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**Product Flash Point:** > 300°C (572°F)

**Suitable Extinguishing Media:** Dry chemical, Foam, CO<sub>2</sub>, or Water fog.

**Mechanical Impact Sensitivity:** None known

**Static Discharge Sensitivity:** Sensitivity to static discharge is not expected

**Flammable Limits in Air – Upper Percentage: Maximum % by volume of vapour in air above which propagation of flame does not occur on contact with a source of ignition:**  
N/D

**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 (MSHA/NIOSH approved or equivalent) and full protective clothing gear to prevent contact with skin and eyes. Use water spray to cool nearby containers and structures exposed to fire.

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## SECTION VI – ACCIDENTAL RELEASE MEASURES

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**\*\*\*TAKE CARE FLOOR SURFACE WILL BE SLIPPERY AT SITE OF SPILLAGE\*\*\***

**Action to be taken if material is released or spilled:**

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 VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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**Precautions for Handling & Storage:**

Keep container closed when not in use. Good hygienic practices should be observed. Work clothes should be washed separately at the end of each work day. Disposable clothing should be discarded with material.

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## SECTION VIII – PERSONAL PROTECTION & EXPOSURE CONTROLS

**Engineering Controls:** None required under normal conditions.

### Personal Protective Equipment

**Respiratory System:** No special protective equipment required under normal conditions

**Skin and Body Protection:** Appropriate clothing is required

**Hand Protection:** Protective gloves

**Eyes and Face Protection:** Safety glasses or goggles with protective side shields; Face shield

**Other Special Protection:** None required

**Ventilation:** No out of the ordinary ventilation required.

### Exposure Limits:

Chemical Name	CAS	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-STEL	Units
POE & Additives	Proprietary	None	None	None	None	ppm

## SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES OF PRODUCT

<b>Boiling Point</b>	N/A	<b>Evaporation Rate</b>	N/D
<b>Vapour Pressure</b>	N/D	<b>Lbs/Gallon (Water = 8.3)</b>	8.1 lbs/gallon @ 25°C
<b>Vapour Density (Air = 1)</b>	N/D	<b>Density @ 25°C (Water = 1)</b>	0.972g/cm <sup>3</sup>
<b>Freezing Point</b>	N/D	<b>Alkalinity</b>	N/D
<b>Melting Point</b>	< -20°C	<b>pH</b>	N/A
<b>Physical State</b>	Clear Liquid	<b>VOC</b>	N/D
<b>Odour</b>	Characteristic	<b>Solubility in Water (20°C)</b>	Insoluble
<b>Colour</b>	Yellow-Amber	<b>Solubility in OS</b>	N/D
<b>Odour Threshold</b>	N/A	<b>Viscosity</b>	220 cSt @ 40°C

## SECTION X – REACTIVITY DATA

**Stability:** Stable under normal temperatures and storage conditions

**Conditions to Avoid:** None known

**Hazardous Decomposition:** None under normal usage

**Hazardous Reactions:** None known under normal usage

**Hazardous Polymerization:** Hazardous polymerization does not occur

## SECTION XI – TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Product is non-toxic. The product is safe when used for its intended purpose based on its formulation, testing results, and long history of safe consumer use.

**Carcinogenicity:** No known effect

## SECTION XII – ECOLOGICAL INFORMATION

**\*\*\*THIS PRODUCT IS NOT EXPECTED TO PRESENT ADVERSE EFFECTS TO THE ENVIRONMENT\*\*\***

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## SECTION XIII – DISPOSAL CONSIDERATIONS

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**Disposal Method:** This material is not regarded as hazardous waste. Dispose of in accordance with national and local regulations for inert non-hazardous waste material.

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## SECTION XIV – TRANSPORTATION INFORMATION

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<b>Transportation Regulations:</b>	Shipping Name:	Fatty Acid Ester
	Hazard Class:	Non-Regulated
	Label(s):	None
	UN/NA Number:	None
	Placards:	None

**International Transportation Regulations:**

RID, European Railroad Hazard Class	N/A
IATA, International Air Transportation	N/A
IMDG, International Maritime Dangerous Goods:	N/A

**\*\*\*NON HAZARDOUS MATERIAL FOR ROAD, SEA OR AIRFREIGHT\*\*\***

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## SECTION XV – REGULATORY INFORMATION

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**\*\*\*THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR\*\*\***

<b>TSCA Inventory Status:</b>	All components of this product are listed on the TSCA inventory.
<b>SARA (313) Chemicals:</b>	This product does not contain any chemicals that are subject to the reporting of the Act and Title 40 of the Code of Federal Regulations, Part 372 (Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 - SARA).
<b>SARA (311/312) Hazard Class:</b>	No hazardous categories.
<b>SARA Section 302:</b>	None found.
<b>CERCLA Hazardous Substance:</b>	Not a listed EHS.
<b>CERCLA Reportable Quantity:</b>	No listed reported quantity.
<b>California Proposition 65:</b>	This product does not contain any chemical substances flagged by Proposition 65.

**International Inventories:**

<b>DSL</b>	Listed	<b>EC Safety Phrases</b>	N/A
<b>WHMIS Hazard Class</b>	Not Controlled	<b>EC Risk Phrases</b>	N/A
<b>WHMIS Trade Secret</b>	None	<b>ECL</b>	Listed
<b>SCHDLE B/HTSUS</b>	N/A	<b>MITI</b>	N/A
<b>ECCN</b>	N/A	<b>AICS</b>	Listed
<b>EINECS</b>	Listed	<b>PICCS</b>	Listed
<b>EC Required Symbol(s)</b>	None Required	<b>CCIS</b>	Listed

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## SECTION VI – OTHER INFORMATION

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**References:** Not Available

**Other Special Considerations:** None

**NSF Registration:** H1 (FDA regulations 21 CFR 178.3570)

**Transport Symbol:** Not required



**Disclaimer:** To the best of our knowledge the information contained herein is accurate. However, neither the named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein we cannot guarantee that these are the only hazards that exist.

\*\*\*END OF DOCUMENT\*\*\*

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