

Safety Data Sheet

Emgard® 5220 High Temperature Chain Lubricant

Revision date : 2012/07/17
Version: 2.0

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(30536419/SDS_GEN_CA/EN)

1. Product and Company Identification

Company
BASF Canada Inc.
100 Milverton Drive
Mississauga, ON L5R 4H1, CANADA

24 Hour Emergency Response Information
CANUTEC (reverse charges): (613) 996-6666
BASF HOTLINE: (800) 454-COPE (2673)

Synonyms: Proprietary synthetic high temperature chain lubricant

2. Hazards Identification

Emergency overview

CAUTION:
This product may cause eye and skin irritation.

State of matter: liquid
Colour: amber
Odour: of hydrocarbons

Potential health effects

Primary routes of entry:
Dermal contact.

Acute toxicity:
Similar materials are not considered toxic. No data available.
Virtually nontoxic after a single ingestion.

Sensitization:
No sensitizing effect.

Chronic toxicity:

Carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

Repeated dose toxicity: The substance may lead to shifts in blood composition following repeated exposure in animal experiments.

Reproductive toxicity: No data for product. No effects anticipated

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Genotoxicity: No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Signs and symptoms of overexposure:

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Further important symptoms and effects are so far not known.

Potential environmental effects

Bioaccumulation / bioconcentration:

Discharge into the environment must be avoided.

3. Composition / Information on Ingredients

Not WHMIS controlled.

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air. Assist in breathing if necessary. Consult a physician.

If on skin:

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Rinse mouth and then drink plenty of water.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Flash point: 282.00 °C (ASTM D92)
Self-ignition temperature: not self-igniting

Suitable extinguishing media:

water spray, dry powder, foam

Unsuitable extinguishing media for safety reasons:

water jet

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

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Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Personal precautions:

Use personal protective clothing. Keep people away and stay on the upwind side.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Handling**General advice:**

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

Take precautionary measures against static discharges.

Storage**General advice:**

Keep container tightly closed and dry; store in a cool place.

8. Exposure Controls and Personal Protection

Advice on system design:

Ensure adequate ventilation.

Personal protective equipment**Respiratory protection:**

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form: liquid
Odour: of hydrocarbons

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Odour threshold:	No data available.	
Colour:	amber	
Melting point:	-20 °C	
Density:	0.94 - 0.96 g/cm ³	(20 °C)
Solubility in water:	insoluble	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Conditions to avoid:

Avoid all sources of ignition: heat, sparks, open flame. Avoid electro-static discharge.

Substances to avoid:

strong oxidizing agents, strong bases, strong acids

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

11. Toxicological information

Acute toxicity

Oral:

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Irritation / corrosion

Skin:

Species: rabbit

Result: non-irritant

Eye:

Species: rabbit

Result: non-irritant

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Repeated dose toxicity

Information on: Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

Assessment of repeated dose toxicity:

The substance may lead to shifts in blood composition following repeated exposure in animal experiments.

Other Information:

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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12. Ecological Information

Fish

Acute:
LC50: > 100 mg/l

Microorganisms

Toxicity to microorganisms:
EC0: > 100 mg/l

Degradability / Persistence Biological / Abiological Degradation

Evaluation: Not readily biodegradable (by OECD criteria).

Bioaccumulation

At the present state of knowledge, no negative ecological effects are expected.

Other adverse effects:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

13. Disposal considerations

Waste disposal of substance:

Must be disposed of or incinerated in accordance with local regulations.

Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Land transport TDG

Not classified as a dangerous good under transport regulations

Sea transport IMDG

Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO

Not classified as a dangerous good under transport regulations

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15. Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA released; restriction on quantity / not listed

Not WHMIS controlled.

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.

16. Other Information

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

MSDS Prepared by:

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MSDS Prepared on: 2012/07/17

Emgard® 5220 High Temperature Chain Lubricant is a registered trademark of BASF Canada or BASF SE. Due to the merger of Cognis and BASF Group all (Material) Safety Data Sheets have been reassessed on the basis of consolidated information. This may have resulted in changes to the (Material) Safety Data Sheets. In case you have questions concerning such changes please contact us at the address mentioned in Section 1.

END OF DATA SHEET