

**MATERIAL SAFETY DATA SHEET**  
According to 1907/2006/EC, Article 31, Annex II. (REACH)

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**I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** Additif 223

**DATE:** March 15, 2011

**SUPPLIER:**

Melrose Chemicals Ltd.  
2323-46th ave.  
Lachine, QC  
CANADA H8T 3C9  
Tel: +1 (514) 631-2998  
Fax: +1 (514) 631-2997  
E-mail: [prodsafe@melrosechem.com](mailto:prodsafe@melrosechem.com)

**PRODUCT USE:** Gear oil additive

**II. HAZARDS IDENTIFICATION**

**Hazard classification of product according to Directive 1999/45/EC:** Not classified.

**Hazards for humans:** Not hazardous.

**Hazards for environment:** Not applicable.

**III. COMPOSITION/ INFORMATION ON INGREDIENTS**

Chemical Identity:	Index #	EINECS #	CAS #	% Conc.	Toxicity
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No hazardous chemicals

**Ingredients according to Directive 2004/648/EC**

None

**IV. FIRST AID MEASURES**

**Contact with skin:** Wash exposed area with soap and water and rinse well.

**Contact with eyes:** Flush with plenty of water. Get medical attention if irritation persists.

**Inhalation:** Not applicable.

**Ingestion:** If victim is conscious, give two glasses of water to drink. Call a physician. Do not give anything by mouth to an unconscious person.

**V. FIRE FIGHTING MEASURES**

**Conditions of flammability:** Requires source of ignition, presence of air, and a temperature greater than the flashpoint.

**Means of extinction:** Use carbon dioxide, water fog, alcohol foam, dry chemical (preferred).

**Hazardous combustion products:** Combustion can produce carbon monoxide and dioxides. Exposing product to intense heat could cause drums to rupture.

**Unusual fire and explosion hazards:** Not applicable

**VI. ACCIDENTAL RELEASE MEASURES**

**Procedures to be followed in case of spills or leaks:** Clean up spills promptly. Surfaces can be slippery. Treat as an oil spill. For small spills, absorb on inert material (clay, sand, dirt, etc.). For large spills, contain with absorbant material and contact a disposal company. In all cases, package in a hazardous waste approved container. Observe recommended control measures.

**Personal protective equipment to be used:** Protective gloves and safety glasses.

**VII. HANDLING AND STORAGE**

**Special handling procedures and equipment:** Not applicable.

**Specific storage requirements:** Do not store near excessive heat or open flame. Store in closed containers.

**VIII. EXPOSURE CONTROL/PERSONAL PROTECTION**

**Respiratory Protection:** Avoid prolonged or frequent contact when handling material.

**Protective Gloves:** Rubber or nitril.

**Eye Protection:** Safety glasses.

**Additional Protective Equipment:** Not applicable.

**Ventilation:** Not applicable.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

**Flashpoint and method of determination:** >93.3°C (C.O.C.)

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**Flammable limits (% in air):** LOWER: Not applicable    **UPPER:** Not applicable  
**Auto-Ignition temp.:** 460°C  
**Physical State:** Liquid    **Vapour density:** 4.3 (air = 1)  
**Coefficient of n-octanol/water distribution:** Not determined.  
**Odour:** None    **Boiling Point:** >150°C  
**Specific Gravity:** 0.89    **Freezing Point:** Not determined.  
**Vapour Pressure:** <1 mm Hg @ 38°C    **pH:** Not applicable.  
**Evaporation Rate:** <0.1 (n-Butyl Acetate = 1)    **Colour:** Black  
**Solubility in water:** Insoluble.    **Odour threshold:** Not determined.

### X. STABILITY AND REACTIVITY

**Chemical stability:** Stable under normal conditions. Hazardous polymerization will not occur.  
**Incompatible substances:** Avoid strong oxidizing and acids.  
**Conditions of reactivity:** Avoid contamination with reactive substances.  
**Hazardous decomposition products:** None

### XI. TOXICOLOGICAL INFORMATION

**Probable route of exposure:** Splashes in eyes.  
**Exposure Limits:** LD<sub>50</sub> (Calculated) 6000 mg/kg  
**Effect of acute and chronic exposure to product:** Irritating to eyes.  
**Irritating:** No  
**Sensitisation to product:** No  
**Carcinogenicity:** Data not available.  
**Reproductive toxicity:** Data not available.  
**Teratotoxicity:** Data not available.  
**Mutagenicity:** Data not available.  
**Name of toxicologically synergistic product(s):** Data not available.

### XII. ECOLOGICAL CONSIDERATIONS

**Environmental toxicity information:** Harmful to aquatic organisms.

### XIII. DISPOSAL CONSIDERATIONS

**For the product:** EC disposal code №:  
13 01 10 (Mineral-based non-chlorinated hydraulic oils).  
**For the packaging:** EC disposal code №:  
15 01 10 (packaging containing residues or contaminated by dangerous substances). Can be recycled.

### XIV. TRANSPORT INFORMATION

#### CARRIAGE BY ROAD (CROSSING BORDERS) ADR/RID:

<b>ADR/RID Class:</b>	Not applicable
<b>Hazard Identification Number:</b>	Not applicable
<b>UN Number:</b>	Not applicable
<b>Packing group:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>UN proper shipping name:</b>	Not applicable)

#### TRANSPORT BY SEA IMDG:

<b>IMDG Class:</b>	Not applicable
<b>UN Number:</b>	Not applicable
<b>Packing group:</b>	Not applicable
<b>EMS Number:</b>	Not applicable
<b>Label:</b>	Not applicable
<b>Marine pollutant:</b>	No
<b>UN proper shipping name:</b>	Not applicable

#### TRANSPORT BY AIR ICAO-TI and IATA-DGR:

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**ICAO/IATA Class:** Not applicable  
**UN Number:** Not applicable  
**Packing group:** Not applicable  
**Label:** Not applicable  
**UN proper shipping name:** Not applicable

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**XV. REGULATORY INFORMATION**

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**Inventory Status:** TSCA (USA), CEPA (Canada, DSL), EINECS (EU), China, TCCL (Korea, KECI), RA 6969 (Philippines, PICCS), NICNAS (Australia, AICS), IEC (Japan).

**WHMIS CLASSIFICATION:** Not regulated

**Danger symbol:** Not applicable

**Risk phrases:** Not applicable

**Safety phrases: 26** In case of contact with eyes rinse immediately with plenty of water and seek medical advise.

**62** If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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**XVI. OTHER INFORMATION**

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This product has been classified in accordance with the hazard criteria of the Canadian *Controlled Products Regulations* and the MSDS contains all the information required by the Canadian *Controlled Products Regulations* and national legislation.

This Material Safety Data Sheet is in conformation with Directive 1907/2006 (REACH) and local legislation.

R-Sentences of ingredients in paragraph III:

None

**Replaces: M.S.D. dated:** March 15, 2008

**Version:** 9

**Changes to the MSDS in this revision: sections 1,16**

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