



# MATERIAL SAFETY DATA SHEET

*This Material Safety Data Sheet complies with the Canadian Controlled Products Act*

**\*\*NOTE: THE FOLLOWING INFORMATION PROVIDED IS FOR THE PRODUCT CONCENTRATE ONLY, NOT FOR USE-DILUTIONS\*\***

<b>SECTION 1 – PRODUCT IDENTIFICATION</b>						
PRODUCT IDENTIFIER:	<b>GEARZ-EP</b>					
PRODUCT USE:	LUBRICATING MILL GEAR DEGREASER & CLEANER					
SUPPLIER:	Velocity Chemicals Ltd. Unit #1, 9515- 190 <sup>th</sup> St., Surrey, B.C. V4N-3S1 Emergency Telephone: (604) 881-4700 Facsimile: (604) 881-4701				In case of transportation emergency or product spill, contact: In Canada- CANUTEC @ 613-996-6666 (24 hrs.)	
<b>SECTION 2 – HAZARDOUS INGREDIENTS</b>						
HAZARDOUS INGREDIENTS	% (W/W)	CAS NUMBER	LD50	LC50	EXPOSURE LIMITS	
This product does not contain any ingredients that are controlled in accordance to the Hazardous Product Act.						
<b>SECTION 3 – PHYSICAL DATA</b>						

<p><b>Physical state:</b> liquid  <b>Solubility:</b> insoluble  <b>Odour and Appearance:</b> clear yellow to amber brown, mild odor  <b>pH (100%) @ 20°C:</b>  <b>Specific Gravity @ 20°C:</b> 0.90  <b>Odour Threshold (ppm):</b> not established</p>	<p><b>Vapour Density:</b> not determined  <b>Vapour Pressure:</b> not determined  <b>Evaporation Rate:</b> not determined  <b>Boiling Point (°C):</b> not determined  <b>Freezing Point (°C):</b> not determined  <b>Coefficient of water/oil distribution:</b> not determined</p>
--	--

**GEARZ-EP**

**SECTION 4 – FIRE AND EXPLOSION DATA**

<p><b>Flammability:</b> No, product is non-flammable.  <b>If yes, under what condition:</b> Not applicable.  <b>Means of Extinction:</b> Dry chemical, alcohol foam, CO<sub>2</sub>, water spray. The product is not flammable. Use extinguishing media suitable for surrounding fires.  <b>Special Fire Fighting Procedures:</b> Wear NIOSH/OSHA approved, self contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.  <b>Explosion Data-</b>  <b>Sensitivity to impact:</b> None  <b>Sensitivity to static discharge:</b> None</p>	<p><b>Flash Point (°C) and method:</b> &gt;100°C (PMCC)  <b>Upper Flammable limit (% volume):</b> not applicable  <b>Lower Flammable limit (% volume):</b> not applicable  <b>Autoignition temperature (°C):</b> not applicable  <b>Hazardous combustion products:</b> carbon oxides and other toxic organic vapors</p>
--	---

**SECTION 5 – REACTIVITY DATA**

**Chemical Stability:** yes, stable under normal storage conditions  
**If no, under what conditions:**  
**Incompatibility with other substances:** yes  
**If so, under what conditions:** Strong alkalis and strong oxidizers  
**Reactivity, and under what conditions:** none known  
**Hazardous Decomposition Products:** carbon oxides upon thermal decomposition

## SECTION 6 – TOXICOLOGICAL PROPERTIES

**Primary route of entry:** skin and eye contact, inhalation  
**Effects of Acute Exposure to Product::** Not expected to be a primary irritant for skin and eye based on current available information. Inhaling mist or vapors may cause transient irritation to respiratory system.  
**Effects of Chronic Exposure to Product::** Prolonged exposure may cause skin dermatitis.

**Exposure Limits:** see Section 2 under Hazardous Ingredients

**Irritancy of Product:** none known

**Sensitization:** none known

**Reproductive Toxicity:** none known

**Mutagenicity:** none known

**Carcinogenicity:** none known

**Teratogenicity:** none known

**Synergistic Products:** none known

## SECTION 7 – PREVENTATIVE MEASURES

**Respiratory Protection:** Generally not required under normal use. Use a NIOSH/OSHA approved for mist/dust and organic vapor respirator if mists and vapors are present.

**Gloves:** butyl or natural rubber, nitrile or neoprene

**Eye Protection:** no special requirement

**Footwear:** rubber boots

**Clothing:** long sleeves

**Other:** rubber apron

## GEARZ-EP

## SECTION 7 – PREVENTATIVE MEASURES (Cont.)

**Engineering Controls:** General ventilation

**Leak and Spill Procedures:** Wear protective equipment. Contain spill. Product is very slippery on surfaces. Prevent runoff to drains or sewers. Recover material by pumping into a suitable waste container. Reuse material if possible, or otherwise dispose in accordance with local regulations.

**Waste Disposal:** Dispose of in accordance with local environmental regulations.

**Handling Procedures and Equipment:** Use good hygiene practices. Avoid contact with eyes, on skin and clothing.

**Storage Requirements:** Store in a cool, dry place away from incompatibles. Do not mix with any other chemicals. Keep container closed when not in use. Keep from freezing and temperatures below 30°C.

**Special Shipping Information:**

WHMIS Classification: Not Regulated

TDG Classification: Not Regulated

**SECTION 8 – FIRST AID MEASURES**

**Inhalation:** Remove victim to fresh air, apply artificial respiration if necessary. Seek medical help.  
**Ingestion:** Give large amounts of water if conscious. Do not induce vomiting. Get medical help immediately.  
**Skin Contact:** Wash thoroughly with water for 15 minutes. If irritation persists, seek medical attention.  
**Eye Contact:** Flush immediately with water for 15-20 minutes. Seek medical help.

**SECTION 9 - OTHER INFORMATION**

REVISIONS: October 14, 2010

SUPERCEDES: December 14, 2007

PREPARED BY: Technical Department (Customer Service phone number: 604-881-4700)

DISCLAIMER: The information in the Material Safety Data Sheet is offered for your consideration and guidance when exposed to this product. Velocity Chemicals Ltd. expressly disclaims all expressed or implied warranties and assumes no responsibilities for the accuracy or completeness of the data contained herein. The data in this MSDS does not apply to use with any other product or in any other process.