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**EMERGENCY: INFOTRAC 1-800-535-5053 24 HOURS/DAY 7 DAYS/WEEK**

This MSDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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**SECTION I - PRODUCT IDENTIFICATION**

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**Product Name:** EcoGear 100  
**Generic Id:** Polyether Polyol Gear Oil  
**Dot Hazard Classification:** Not Applicable

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**SECTION II – COMPONENTS**

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**CAS or Chemical Name:** Polyether Polyol  
**CAS #:** 9003-13-8  
**Percentage Range:** 90-100%  
**Hazardous Per 29 CFR 1910.1200:** No  
**Exposure Standards:** None Established

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**SECTION III - PHYSICAL DATA**

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**Boiling Point:** Not Applicable  
**Freezing Point:** -46 ° C (-50 ° F)  
**Vapor Density:** Not Applicable  
**Specific Gravity:** 1.0 @ 20 °c  
**Vapor Pressure @ 25 ° C:** No data  
**Solubility in Water:** Insoluble  
**Volatiles Percent (Volume):** < 1.0%  
**pH @ 25 °C:** Not Applicable  
**Appearance:** Clear, Viscous Liquid

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**SECTION IV - FIRE AND EXPLOSION INFORMATION**

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**Flash Point:** > 450.0 ° F

**Explosive Limit:** Unavailable

**Extinguishing Media:** Alcohol Foam, Carbon Dioxide, Dry Chemical, and Water Spray.

**Hazardous Decomposition Products:** May form toxic materials: Carbon Dioxide and Carbon Monoxide, etc.

**Fire Fighting Procedures:** Use water to cool containers exposed to fire. Firefighters should wear self-contained breathing apparatus.

**NFPA Codes:** HEALTH - 1

FLAMMABILITY - 1

REACTIVITY - 0

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**SECTION V - TOXICOLOGY AND HEALTH INFORMATION**

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**Routes of Absorption:** Eye contact, ingestion, and inhalation

**Warning Statements and Warning Properties:** May be harmful if swallowed and may cause eye irritation, mucous membrane irritation, and respiratory irritation.

**Human Threshold Response Data:**

**Odor Threshold:** No data

**Irritation Threshold:** No data

**Immediately Dangerous to Life or Health:** The IDLH concentration has not been established for this product.

**FIRST AID:**

**Skin:** Not a skin irritant. Washing any substance off the skin is a good safety practice.

**Eyes:** Immediately flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Call a physician at once. **Overexposure:** Contact with eye may cause irritation consisting of reversible redness, swelling and mucous discharge to the conjunctiva.

**Ingested: DO NOT** induce vomiting unless directed to do so by medical personnel. Call a physician at once. Do not give anything by mouth if the person is unconscious or if having convulsions. **Acute:** May be harmful if swallowed. Ingestion may cause gastrointestinal discomfort with any or all of the following symptoms: nausea, vomiting, lethargy or diarrhea.

**Inhaled:** If an individual experiences nausea, headache or dizziness, individual should stop work immediately and move to fresh air until these symptoms disappear. If breathing is difficult, administer oxygen, keep the person warm and at rest. Call a physician.

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## SECTION V – TOXICOLOGY AND HEALTH INFORMATION Continued...

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In the event that the individual inhales enough vapors to lose consciousness, person should be moved to fresh air at once and a physician should be called immediately. If breathing has stopped, artificial respiration should be given immediately. In all cases, ensure adequate ventilation and provide respiratory protection before the person returns to work.

**Acute:** If inhaled, may cause irritation to the upper respiratory tract. Any irritation would be transient with no permanent damage expected.

**Medical Conditions Aggravated by Exposure:** None known or reported.

**Interactions with other Chemicals that Enhance Toxicity:** None known or reported.

### **Animal Toxicology Acute Toxicity:**

**Inhalation IC 50:** No available data

**Dermal ID 50:** > 2 g/kg (rabbit)

**Oral ID 50:** Approximately 3 g/kg (rat). May be harmful if swallowed.

**Irritation:** Not a skin irritant. Eye and mucous membrane irritant. May be a respiratory irritant.

**Acute Target Organ Toxicity:** There is no organs known to be damaged from exposure to the product.

**Chronic Target Organ Toxicity:** There are no known or reported effects from repeated exposure.

**Reproductive and Developmental Toxicity:** There are no known or reported effects on reproductive function or fetal development.

**Carcinogenicity:** This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, and EPA.

**Mutagenicity:** This product is not known or reported to be mutagenic.

**Aquatic Toxicity:** No available data

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## SECTION VI – REACTIVITY DATA

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**Hazardous Polymerization:** Will not occur

**Stability:** Stable

**Incompatibility:** Avoid contact with strong oxidizing agents.

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## SECTION VII - SPILL OR LEAK PROCEDURES

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**Spill Mitigation Procedures:** Evacuation procedures must be placed into effect. Evacuate all

non-essential personnel. Utilize emergency response personal protective equipment prior to the start of any response. Stop source of spill as soon as possible and notify appropriate personnel.

**Air Release:** Vapors may be suppressed by the use of water fog or spray. Contain all liquid for treatment and or disposal as a (potential) hazardous waste.

**Water Release:** This material is lighter than and insoluble in water at 20 °c. Notify all downstream water users of possible contamination. Divert water flow around spill if possible and safe to do so. If unable to divert, create an underflow dam to contain material. Continue to handle as described in land spill.

**Land Spill:** Create a dike or trench to contain materials. May be absorbed using sand, clay or commercial absorbent. Do not place spill materials back in their original container. Decontaminate all clothing and the spill area using soap solution and flush with large amounts of water.

**Personal Protection for Emergency Spill and Fire Fighting Situations:** Additional respiratory protection is necessary when a spill or fire involving this product occurs. You are recommended to use a self-contained breathing apparatus (SCBA) positive pressure unit.

Wear long sleeve shirt and chemically protective apron when contact with material may occur.

**Compatible Materials for Response to this Material:** Neoprene, chlorinated polyethylene, polyvinyl chloride, butyl rubber, viton, polyvinyl alcohol, and saranex.

**Waste Disposal:** If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of subpart C, nor is it listed as a hazardous waste under subpart D. As a non-hazardous liquid waste, it should be disposed of in accordance with local, state and federal regulations by incineration. Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes.

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## SECTION VIII - PROTECTIVE EQUIPMENT TO BE USED

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**Respiratory Protection:** If vapors or mists are generated, wear a NIOSH/MSHA approved respirator.

**Respirator/Ventilation:** Use local ventilation to limit employee exposure.

**Protective Gloves:** impermeable gloves

**Eye Protection:** Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses (consult your safety equipment supplier).

**Other Protective Equipment:** To prevent repeated or prolonged skin contact, wear impervious clothing, boots, apron and a protective suit.

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## SECTION IX - SPECIAL PRECAUTIONS OR OTHER COMMENTS

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**DO NOT** take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water.

**Storage Conditions:** DO NOT store at temperatures above: 49 ° C (120 ° F).

**Shelf Life Limitations:** 1 year in drums, 2 years in bulk.

**Incompatible Materials for Storage or Transport:** Strong oxidizers.

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#### SECTION X - ADDITIONAL REGULATORY STATUS INFORMATION

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**Toxic Substances Control Act:** The components of this product are listed on the Toxic Substance Control Act Inventory.

**Superfund Amendments and Reauthorization Act Title III: Hazard Categories, per 40 CFR 370.2: Health:** Immediate (acute) Physical: None

**Emergency Planning and Community Right to Know, per 40 CFR 355, App. A:**

**Extremely Hazardous Substance - Threshold-Planning Quantity:** None established.

**Supplier Notification Requirements, per 40 CFR 372.45:** None established.

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#### SECTION XI – LABEL INFORMATION

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**Caution! DO NOT** take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water.

**Handling & Storage:** Avoid contact with eyes and prolonged or repeated contact with skin. Wear safety glasses or goggles, resistant gloves, and other appropriate protective equipment essential for your operation. Do not transfer to unlabeled container. Minimize exposure through good hygienic practices.

**FIRST AID:**

**Eyes:** Flush thoroughly with water, and get medical attention immediately.

**Skin:** Wash thoroughly with soap and water.

**Inhaled:** If affected, remove to fresh air. If breathing is difficult, get medical attention.

**Ingested:** Immediately drink large quantities of water and induce vomiting. Call a physician immediately. Do not give anything by mouth to an unconscious person.

**Date prepared:** 7/25/2000

**Prepared By:** Derek R. Hodges

**Revision Date:** 12/12/2005

**Supersedes:** 4/25/2001