

# MATERIAL SAFETY DATA SHEET

**Blue Max 310**

Last Updated November 9, 2012

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Blue Max 310**

Company Identification: **Primrose Oil Company, Inc.**

[www.primrose.com](http://www.primrose.com)

11444 Denton Drive

P.O. Box 29665

Dallas, Texas 75229 USA

1-972-241-1100 (For product information)

1-800-633-8253 (For Emergencies Only)

**Notice:** This mixture does not contain a toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372:

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>	<u>OSHA PEL (TWA)</u>	<u>ACGIH TWA</u>
Base Oil	20 - 95%	Various	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Lithium carboxylates	3 - 25%	Proprietary	Not Listed	Not Listed
Highly-refined petroleum lubricant oils	Balance	Proprietary	5 mg/m <sup>3</sup> as Mineral oil mist	5 mg/m <sup>3</sup> as Mineral oil mist

Balance of above ingredients are non-hazardous or hazardous in less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).

**CALIFORNIA PROP 65:** This product does not contain an ingredient(s), above the safe harbor limits, which are known to the state of California to cause cancer, birth defects, or other reproductive harm.

**HAZARDS DISCLOSURE:** This product does contain known hazardous materials in reportable levels as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. As defined under Sara 311 and 312, this product contains known hazardous materials.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**WARNING! PROLONGED EXPOSURE MAY CAUSE IRRITATION TO SKIN AND RESPIRATORY TRACT.**

HMIS/NFPA Rating: See Section 16

### POTENTIAL HEALTH EFFECTS

**ROUTES OF ENTRY:** Skin. Eyes, Inhalation, Ingestion.

**TARGET ORGANS:** Skin. Respiratory System

**INHALATION:** This product is not expected to present an inhalation hazard.

**INGESTION:** Not expected to be a normal route of entry. Ingestion of small amounts may produce mild gastrointestinal irritation. Mild laxative effect.

**SKIN CONTACT:** Prolonged contact with skin may cause irritation. Symptoms include redness and itching.

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**EYE CONTACT:** Contact may cause mild irritation.

**CHRONIC EXPOSURE:** None known.

**AGGRAVATION OF PRE-EXISTING CONDITIONS:** Persons with pre-existing eye or skin disorders may be more susceptible to the effects of the substance.

## 4. FIRST AID MEASURES

**INHALATION FIRST AID:** If breathing difficulty develops, remove victim to fresh air. Provide oxygen if breathing continues to be difficult. If not breathing, give artificial respiration, preferably mouth to mouth. GET MEDICAL ATTENTION IMMEDIATELY.

**SKIN CONTACT FIRST AID:** If contact occurs wash skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse. GET MEDICAL ATTENTION IF IRRITATION OCCURRS.

**EYE CONTACT FIRST AID:** If contact with eyes, immediately flush eyes with plenty of water for at least 15 minutes lifting upper and lower eyelids occasionally. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**INGESTION FIRST AID:** Induce vomiting ONLY as directed by medical personnel. Never give anything by mouth to an unconscious person. GET MEDICAL ATTENTION IMMEDIATELY.

**NOTE TO PHYSICIANS:** Treat symptoms.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE PROPERTIES:**

**AUTO IGNITION TEMPERATURE:** Not Established

**FLASH POINT:** >302°F.

**FLAMMABLE LIMITS IN AIR, % by Volume:** lel: NE; uel: NE

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, foam. Water spray may be used to keep fire exposed containers cool.

**FIRE & EXPLOSION HAZARDS:** If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source.

**SPECIAL INFORMATION:**

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL CLEAN-UP PROCEDURES:** Evacuate unprotected personnel from the area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in section 8. Contain and recover if possible. For small spills, absorb or cover with dry earth, sand, or other inert non-combustible absorbent material and place into waste containers for later disposal. Contain large spills to maximize product recovery or disposal. Prevent entry into waterways or sewers. In urban area, cleanup spill as soon as possible. In natural environments, seek cleanup advice from specialists to minimize physical habitat damage. This material will float on water. Absorbent pads and similar materials can be used.

This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills that enter a water body must be immediately reported to the National

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Response Center. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

## 7. HANDLING AND STORAGE

**RECOMMENDED STORAGE CONDITIONS:** Protect against physical damage. Store in a cool, dry well-ventilated location away from heat or ignition sources. Keep out of direct sunlight. Containers should be bonded and grounded for transfers to avoid static sparks. Keep containers tightly closed. Containers of this material may be hazardous when empty since they retain residues. Observe all warnings and precautions listed for the product.

**HANDLING (PERSONNEL):** If this product is stored or applied in high-pressure systems such as grease guns or hydraulic lines, there is the potential for accidental injection into the skin and underlying tissues. Hydrocarbons injected into skin or underlying tissues are not readily removed by body fluids and can cause pain, swelling, chemical irritation, infection and tissue destruction. Early symptoms may be minimal. Workers must be aware of the significant hazards associated with a hydrocarbon injection injury. In the event of an injection injury, workers should seek medical treatment immediately. Avoid water contamination and elevated temperatures to minimize product degradation. Empty containers may contain product residues that can ignite with explosive force. Do not pressurize, cut, weld, braze solder, drill, grind or expose containers to flames, sparks, heat or other potential ignition sources. Consult appropriate federal, state and local authorities before reusing, reconditioning, reclaiming, recycling or disposing of empty containers and/or waste residues of this product.

Handle in accordance with good industrial hygiene and safety practices. Avoid contact with eyes, skin and clothing. Use with adequate ventilation. Avoid breathing vapors or mists. Do not eat, drink or smoke in work area. Wash thoroughly after handling.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**AIRBORNE EXPOSURE LIMITS:** See Section 2 above.

Base Oils:

- OSHA Permissible Exposure Limit (PEL): 5 mg/m<sup>3</sup> (TWA)
- ACGIH Threshold Limit Value (TWA): 5 mg/m<sup>3</sup>

Lithium carboxylates:

- OSHA Permissible Exposure Limit (PEL): Not Listed
- ACGIH Threshold Limit Value (TWA): Not Listed

Highly-refined petroleum lubricant oils:

- OSHA Permissible Exposure Limit (PEL): 5 mg/m<sup>3</sup> as Mineral oil mist
- ACGIH Threshold Limit Value (TWA): 5 mg/m<sup>3</sup> as Mineral oil mist

**VENTILATION SYSTEM:** A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**PERSONAL RESPIRATORS (NIOSH APPROVED):** If the exposure limit is exceeded and engineering controls are not feasible, a respirator may be required. Where respirators are required, you must have a written program covering the basic requirements in the OSHA respirator standard. These include training, fit testing, medical approval, cleaning, maintenance, cartridge change schedules, etc. See 29CFR1910.134 for details.

**SKIN PROTECTION:** Wear protective clothing, gloves, as appropriate.

**EYE PROTECTION:** Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

**GOOD HYGIENE CONDITIONS:** Wash with soap and water before meals and at the end of each work shift.

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Good manufacturing practices require amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**FORM:** Semi-solid to solid (Smooth texture)  
**ODOR:** Petroleum Odor  
**SOLUBILITY IN WATER:** Insoluble  
**MELTING POINT:** NA  
**AUTO IGNITION TEMPERATURE:** NE  
**pH:** NE  
**VAPOR DENSITY:** >10

**COLOR:** Blue  
**BOILING POINT:** Not Established  
**SPECIFIC GRAVITY:** Not Established (Water =1)  
**EVAPORATION RATE (BuAc=1):** Not Established  
**FLASH POINT:** >302°F  
**VAPOR PRESSURE:** Not Established

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under ordinary conditions of use and storage.

**CONDITIONS TO AVOID:** Heat, flame ignition sources and strong oxidizers.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Strong oxidizers.

**HAZARDOUS DECOMPOSITION:** Carbon dioxide, carbon monoxide, smoke, fumes, unburned hydrocarbons and oxides of sulfur, phosphorus, zinc and/or nitrogen.

## 11. TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL DATA:

**Highly-refined petroleum lubricant oils:** ORAL (LD50): Acute: >5000 mg/kg [Rat]. DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

Carcinogenic effects: Not available.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Cancer Lists

---NTP Carcinogen---

**Ingredient**

**Known**

**Anticipated**

**IARC Category**

All ingredients

No

No

None

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE:

An environmental fate analysis is not available for this specific product. Plants and animals may experience harmful or fatal effects when coated with petroleum products. Petroleum-based (mineral) lubricating oils normally will float on water. In stagnant or slow-flowing waterways, an oil layer can cover a large surface area. As a result, this oil layer might limit or eliminate natural atmospheric oxygen transport into the water. With time, if not removed, oxygen depletion in the waterway may be sufficient to cause a fish kill or create an anaerobic environment.

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## ENVIRONMENTAL TOXICITY:

There is not toxicity data for this product.

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

Recover, reclaim or recycle when practical.

Dispose of material in accordance with federal, state and local requirements. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permitted under applicable rules, regulations and/or laws governing your location.

## 14. TRANSPORTATION INFORMATION

Domestic (Land, D.O.T.), International (Water, I.M.O.), International (Air, I.C.A.O.)

CLASS: NA  
PRODUCT LABEL: Blue Max 310  
UN NUMBER: NA  
PACKING GROUP: NA  
D.O.T. SHIPPING NAME: Non-Regulated Material  
PRODUCT RQ : NA  
ERG Guide Number: NA  
SUPPLEMENTAL HAZARD: None

## 15. REGULATORY INFORMATION

### FEDERAL REGULATORY STATUS

#### *Chemical Inventory Status - Part 1*

Ingredient	<u>TSCA</u>	<u>EC</u>	<u>Japan</u>	<u>Australia</u>
All Ingredients	YES	YES	YES	YES

#### *Chemical Inventory Status - Part 2*

Ingredient	<u>Korea</u>	<u>DSL</u>	<u>CANADA</u>	<u>Phil.</u>
All Ingredients	YES	YES	<u>NDSL</u> NO	YES

#### *Federal, State & International Regulations - Part 1*

Ingredient	<u>-SARA 302-</u>	<u>-SARA 313-</u>		
	<u>RQ</u>	<u>TPQ</u>	<u>List</u>	<u>Chemical Catalog</u>
All Ingredients	NO	NO	NO	NO

Ingredient	<u>CERCLA</u>	<u>-RCRA-</u>	<u>-TSCA-</u>
All Ingredients	NO	<u>261.33</u> NO	<u>8(d)</u> NO

This product does not have a component(s) which are subject to SARA 313 Annual Reporting Requirements:

**Chemical Weapons Convention:** No **TSCA 12(b):** No **CDTA:** No

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 accidental release prevention: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

**SARA 311/312:** Acute: No Chronic: Yes Fire: No Pressure: No  
Reactivity: No (Pure / Liquid)

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## STATE REGULATIONS:

### PROP 65 - WARNING:

THIS PRODUCT DOES NOT CONTAIN A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

RCRA 40 CFR: None.

## CANADIAN REGULATIONS:

**WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**WHMIS Classification:** Not Classified

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS). Other inventory lists: Korea (TCCL), Australia (AICS), China (Draft), PICCS (Philippines-RA6969), Japan (ENCS METI/MOL).

## 16. OTHER INFORMATION

Hazardous Material Information System (HMIS):	<b>Health</b>	<b>1</b>
	<b>Flammability</b>	<b>1</b>
	<b>Reactivity</b>	<b>0</b>
	<b>Personal Protection</b>	<b>B</b>

### National Fire Protection Association (NFPA) 1-Health, 1-Flammability, 0-Reactivity

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment: GOGGLES & SHIELD; PROPER GLOVES;

Prepared By: Primrose MSDS Authoring Dept.

Date: November 9, 2012

Part Number: 310

Supersedes Date: New

### ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process. This Material Safety Data Sheet (MSDS) has been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2004)

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Primrose Oil Company, Inc. The data on this sheet is related only to the specific material designated herein. Primrose Oil Company, Inc. assumes no legal responsibility for use or reliance upon this data.

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