

# MATERIAL SAFETY DATA SHEET

**Power Blend 2003**

Last Updated November 12, 2010

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **Power Blend 2003**

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 contains a toxic chemical(s) 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: Naphthalene, CAS#91-20-3 <0.5%

## 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>
Light Naphthenic Hydrotreated Distillates	35 – 55%	64742-53-6	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
Alkyl Nitrates	Proprietary	27247-96-7	NE	NE
Additive	Proprietary	Mixture	NE	NE

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! HARMFUL IF INHALED. PROLONGED EXPOSURE MAY CAUSE IRRITATION TO SKIN, EYES 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:** Causes irritation to the nose and throat. Concentrations above the TLV may cause headache, dizziness, nausea, or shortness of breath.

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

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

**EYE CONTACT:** Vapors can irritate the eyes. Splashes cause pain and irritation.

**CHRONIC EXPOSURE:** None known.

**AGGRAVATION OF PRE-EXISTING CONDITIONS:** Persons with pre-existing eye, skin disorders or impaired respiratory function 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 IMMEDIATELY.

**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:** >500°F

**FLASH POINT:** 148°F Minimum.

**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, dilute spills to non-flammable mixtures.

**FIRE & EXPLOSION HAZARDS:** Do not use forced stream as this could cause fire to spread.

**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 liquid if possible. Use non-sparking tools and equipment. Cover spilled liquid with sand or earth. Clean up spill immediately and place in appropriate containers. Do not discharge to sewers and surface waters. Notify authorities if entry occurs.

U.S. Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

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## 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):** 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.

Light Naphthenic Hydrotreated Distillates:

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

Alkyl Nitrates:

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

Additive:

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

**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. 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:** Liquid.

**ODOR:** Mild Petroleum Odor

**SOLUBILITY IN WATER:** Partial

**MELTING POINT:** NA

**AUTO IGNITION TEMPERATURE:** >500°F

**COLOR:** Clear to Yellow

**BOILING POINT:** >500°F

**SPECIFIC GRAVITY:** 0.9 (Water =1)

**EVAPORATION RATE (BuAc=1):** NE

**FLASH POINT:** 148°F Minimum

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pH: NE

VAPOR PRESSURE: NE

VAPOR DENSITY: >5

## 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 monoxide and carbon dioxide..

## 11. TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL DATA:

No Data Available

Carcinogenic effects: Not available.

Mutagenic effects: Not available.

Teratogenic effects: Not available.

Cancer Lists

---NTP Carcinogen---

Ingredient

Known

Anticipated

IARC Category

Naphthalene CAS# 91-20-3

No

Yes

2B

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE:

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress in birds and mammals through ingestion during pelage grooming.

### ENVIRONMENTAL TOXICITY:

This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70°F.

## 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.

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## 14. TRANSPORTATION INFORMATION

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

D.O.T. (USA) – Non-bulk containers (≤ 119 Gallons/450L) shipped road or rail are non-regulated  
CLASS: 3  
PRODUCT LABEL: Power Blend 2003  
UN NUMBER: UN1993  
PACKING GROUP: III  
D.O.T. SHIPPING NAME: Flammable Liquid, N.O.S.  
PRODUCT RQ : None  
ERG Guide Number: 128  
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>	YES

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

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

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

This product does have a component(s) which are subject to SARA 313 Annual Reporting Requirements:  
Naphthalene, CAS#91-20-3 <0.5%

**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: Yes Chronic: No Fire: Yes Pressure: No

Reactivity: No (Pure / Liquid)

### 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:** Class B-3: Combustible liquid with a flash point between 100°F and 200°F.

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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

<b>Hazardous Material Information System (HMIS):</b>	<b>Health</b>	<b>1</b>
	<b>Flammability</b>	<b>2</b>
	<b>Reactivity</b>	<b>0</b>
	<b>Personal Protection</b>	<b>B</b>

**National Fire Protection Association (NFPA) 1-Health, 2-Flammability, 0-Reactivity**

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

Protective Equipment: GOGGLES & SHIELD; PROPER GLOVES;

Prepared By: Paul Eigbrett (MSDS Authoring Services PLUS)

Date: November 12, 2010

Part Number: 2003

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.

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END OF MSDS