

**SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** FBN PureBlend MSO  
**DISTRIBUTOR** FBN Inputs, LLC  
**ADDRESS:** 388 El Camino Real  
 San Carlos, CA 94070

**EMERGENCY CHEMTREC PHONE:** US: 1-800-424-9300 International: 1-202-483-7616

**PRODUCT USE:** Modified Vegetable Oil and  
 Surfactant Blend

**SECTION 2: HAZARDS IDENTIFICATION**
**GHS Ratings:**

**Toxicity Categories**

**Eye irritation: Category 2B**

**Acute Inhalation: Category 4**



**Signal Word: WARNING**

**GHS HAZARDS**

H320 Causes eye irritation.  
 H332 Harmful if inhaled.  
 H303 May be harmful if swallowed.  
 H313 May be harmful in contact with skin.

**PRECAUTIONS**

P261 - Avoid breathing dust / fume / gas / mist / vapors / spray.  
 P273 - Avoid release to the environment.  
 P281 - Use personal protective equipment as required.  
 P305+P351+P338 - IF IN EYES: Rinse with water for 15 to 20 minutes. Remove contact lenses, if present, and continue rinsing eyes.  
 P302+P352 - IF ON SKIN: Wash with plenty of water for 15 to 20 minutes.  
 P101+P102+P103 - If medical advice is needed, have product container or label available. Keep out of reach of children. Read label before use.

**KEEP OUT OF REACH OF CHILDREN –**

Appearance and odor: Yellow liquid with fatty odor.

**WARNING**
**Potential Health effects**

<b>Routes of exposure</b>	Eye contact, skin contact, inhalation. Avoid breathing spray mist.
<b>Eyes</b>	Causes eye irritation.
<b>Skin</b>	May be harmful in contact with skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	May be harmful if swallowed.
<b>Target organs</b>	Eyes. Skin. Inhalation.
<b>Signs and symptoms</b>	May be harmful if absorbed through skin.

**Potential environmental effects:** This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

**SECTION 3: HAZARDS IDENTIFICATION**

INGREDIENT	CAS NO.	Classification	Concentration (%)
Phosphatidylcholine	97281-47-5	Inh. 4; H332	
Methylated vegetable oil	67784-80-9	Eye Irrit. 2B; H320	
Alcohol ethoxylate	34398-01-1		
Proprietary Blend			100.00

Classification according to 29 CFR 1910.1200

#### **SECTION 4: FIRST AID MEASURES**

*Have the product container with you when calling a poison control center or doctor, or going for treatment.*

**EYE CONTACT - IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN CONTACT - IF ON SKIN OR CLOTHING :** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION - IF SWALLOWED :** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**INHALATION - IF INHALED :** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.

##### **Most Important Symptoms and Effects, Acute and Delayed**

Symptoms: Causes eye irritation

##### **Immediate Medical Attention and Special Treatment**

Treatment: Treat symptomatically. Symptoms may be delayed.

##### **FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565**

Take container, label or product name with you when seeking medical attention.

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

#### **SECTION 5: FIRE FIGHTING MEASURES**

##### **EXTINGUISHING MEDIA:**

Suitable Extinguishing Media: Dry chemical, carbon dioxide (CO<sub>2</sub>), alcohol foam, foam, water spray or fog. Do not use water jet as this will spread the fire.

##### **SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:**

Specific Hazards During Firefighting: During a fire, hazardous by-products can be released.

##### **SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS**

Special Protective Equipment for Firefighters: Self-contained breathing apparatus and full protective gear should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool. Keep people away. Isolate fire and deny unnecessary entry.

#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

##### **PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Personal Precautions: Avoid inhalation of vapors and spray mist and contact with skin and eyes. Ensure adequate ventilation. Wear suitable protective clothing.

##### **ENVIRONMENTAL PRECAUTIONS**

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not contaminate water. Do not allow to enter drains, sewers, or watercourses.

##### **METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN-UP**

Methods for Clean-Up:

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. After removal flush contaminated area thoroughly with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

#### **SECTION 7: HANDLING AND STORAGE**

##### **PRECAUTIONS FOR SAFE HANDLING:**

Advice on Safe Handling: Avoid inhalation of mists, vapors / spray and contact with eyes, skin and clothing. Do not breathe mists or vapor. Wear personal protective equipment. Do not use in areas without adequate ventilation. Avoid prolonged exposure. Wash thoroughly after handling. Do not empty into drains. Handle and open container with care. Use care in handling/storage. Wash before eating, drinking and/or smoking.

##### **CONDITIONS FOR SAFE STORAGE:**

Requirements for Storage Areas and Containers: Store in cool, dry place. Store in original container. Keep tightly closed. Do not reuse empty container. Product will become thicker at cold temperatures but effectiveness will not be affected. Warm product before use. Do not contaminate water, food or feed by storage or disposal.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**


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**CONTROL PARAMETERS:**
**OCCUPATIONAL EXPOSURE LIMITS**

U.S. Workplace Exposure Level (ACGIH) Guides

Components	Type	Value
No listings	TWA	

**Biological limit values**

ACGIH Biological Exposure Indices

Components	Value	Specimen
No listings		

**EXPOSURE CONTROLS:**
**Engineering Measures**

Provide adequate general and local exhaust ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and spray mists. Provide eyewash station and safety shower.

**Individual Protection Measures:**

Eye / Face Protection: Goggles or shielded safety glasses are recommended.

Skin Protection: Wear chemical-resistant gloves. Long-sleeved shirt, long pants, and socks.

Respiratory Protection: In case of inadequate ventilation or risk of inhalation of mists or vapors, use suitable respiratory equipment such as MSHA/NIOSH TC-21C or NIOSH approved respirator with N, R, P or HE filter. Wear respiratory protection during operations where spraying or misting occurs. If respirators are used, a program should be in place to assure compliance with 29 CFR 1910.134, the OSHA Respiratory Protection standard. Wear air supplied respiratory protection if exposure concentrations are unknown.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


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<b>APPEARANCE:</b>	Liquid
<b>ODOR:</b>	Fatty.
<b>ODOR THRESHOLD:</b>	No data available.
<b>COLOR:</b>	Yellow.
<b>pH:</b>	6.9 (1%)
<b>MELTING POINT / FREEZING POINT:</b>	No data available
<b>BOILING POINT:</b>	>200OF (>93.4OC)
<b>FLASH POINT:</b>	>212OF (>100OC) / TCC
<b>FLAMMABILITY (solid, gas):</b>	No data available.
<b>UPPER / LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:</b>	No data available.
<b>VAPOR PRESSURE:</b>	No data available.
<b>SOLUBILITY:</b>	Emulsifies
<b>PARTITION CO-EFFICIENT, n-OCTANOL / WATER:</b>	No data available.
<b>AUTO-IGNITION TEMPERATURE:</b>	No data available.
<b>DECOMPOSITION TEMPERATURE:</b>	No data available.
<b>VISCOSITY, kinematic:</b>	115.5 centistokes @ 68°F (20°C)
<b>SPECIFIC GRAVITY (Water = 1):</b>	0.90 g/ml
<b>BULK DENSITY:</b>	7.51 lbs./gal / 0.9 kg/L

**SECTION 9 NOTES: Values are not product specifications.**

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

**SECTION 10: STABILITY AND REACTIVITY**

**REACTIVITY**

Stable

**CHEMICAL STABILITY**

Stable under normal temperature conditions

**POSSIBILITY OF HAZARDOUS REACTIONS**

No reactions known under normal use conditions. Will not polymerize.

**CONDITIONS TO AVOID**

High alkaline conditions.

**INCOMPATIBLE MATERIALS**

Strong oxidizers.

**HAZARDOUS DECOMPOSITION PRODUCTS**

None known.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**LIKELY ROUTES OF EXPOSURE**

Eye contact. Skin contact.

**LC50 (rat):** >2.01 mg/L (4 HR)

**LD50 Oral (female rat):** >2,000 mg/kg

**LD50 Dermal (rat):** >4,000 mg/kg

**Acute Toxicity Estimates:** No data available

**Skin Irritation (rabbit):** May be irritating.

**Eye Irritation (rabbit):** Irritating.

**Specific Target Organ Toxicity:** Single exposure: No data available.

**Aspiration:** No data available

**Skin Sensitization (mouse):** Not a sensitizer

**Carcinogenicity:** No data available

**Germ Cell Mutagenicity:** No data available

**Interactive Effects:** None known

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOTOXICITY**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Ecotoxicological Data:** No data available

Drift or runoff may adversely affect non-target plants.

Do not apply directly to water.

Do not contaminate water when disposing of equipment wash

Do not apply when weather conditions favor drift from target ar

**PERSISTENCE AND DEGRADABILITY**

Biodegradability: No data available

**BIOACCUMULATIVE POTENTIAL**

Bioaccumulation: No data available.

**MOBILITY IN SOIL**

No data available.

**OTHER ADVERSE EFFECTS**

Assessment: No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE TREATMENT METHODS**

Wastes may be disposed of on site or at an approved waste disposal facility. Triple rinse (or equivalent), adding rinse water to spray tank.

Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by appropriate authorities. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler visit the ACRC web page at <http://www.acrecycle.org/>. Do not contaminate water, food or feed by storage or disposal.

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

**DOT Shipping Description:** Not Regulated

**U.S. Surface Freight Classification:** ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

**SECTION 15: REGULATORY INFORMATION**
**SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS**

<b>NFPA &amp; HMIS Hazard Ratings:</b>	NFPA		HMIS
	1 Health	0 Least	1 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	B PPE
	4 Severe		

**SARA Hazard Notification/Reporting**

<b>SARA Title III Hazard Category:</b>	Immediate <u>Y</u>	Fire <u>N</u>	Sudden Release of Pressure <u>N</u>
	Delayed <u>N</u>	Reactive <u>N</u>	

**Reportable Quantity (RQ) under U.S. CERCLA:** Not listed

**SARA, Title III, Section 313:** Not listed

**RCRA Waste Code:** Not listed

**CA Proposition 65:** Not applicable

**SECTION 16: OTHER INFORMATION**
**OTHER INFORMATION:** None

**DISCLAIMER:**

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.