

**SAFETY DATA SHEET****SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING**

**TRADE NAME:** BioSoyl®Series (BioSoyl®, BioSoyl® Plus)  
**MANUFACTURER:** Midwest Industrial Supply, Inc  
1101 3rd Street SE  
Canton, OH 44707  
**EMERGENCY PHONE NUMBER:** 330-456-3121  
**RECOMMENDED USE:** Dust Suppressant  
**CHEMICAL NAME:** Specialized dust suppressant  
**SYNONYMS:** Dust retardant

**SECTION II -- HAZARDS IDENTIFICATION**

**CLASSIFICATION:** Eye Irritant, 2B  
**SIGNAL WORD:** Warning  
**HAZARD STATEMENT(S):** Causes eye irritation

Pictograms

**PRECAUTIONARY STATEMENT(S):** Flush eyes for several minutes.  
Wash hands and exposed areas thoroughly.  
Contact physician if irritation persists.  
**OTHER HAZARDS:** None

**SECTION III -- COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS #	WT %
Tall-oil pitch	8016-81-7	< 40%
Triglycerides	Non-hazardous	>20%
Vegetable Oil Fatty Acids	Non-hazardous	>20%
Nonylphenol ethoxylate	9016-45-9	<3 %

**SECTION IV -- FIRST AID MEASURES**

**INHALATION:** Move subject to fresh air. If victim is not breathing, perform artificial respiration. Administer oxygen if available. Keep victim warm and at rest. Seek medical attention as soon as possible.  
**SKIN:** Flush with large amount of water or wash with soap and water. Seek medical attention as soon as possible.  
**EYES:** Flush eyes with flowing water at least 15 minutes. Get medical attention. Do not use any

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eye ointment. Remove contact lenses.

**INGESTION:**

DO NOT induce vomiting because of aspiration into the lungs. Seek medical attention. NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS.

**RECOMMENDATION TO FIREFIGHTERS ON SPECIAL PROTECTIVE EQUIPMENT OR PRECAUTIONS:**

Respiratory and eye protection are required for firefighting personnel. Self-contained breathing apparatus (SCBA) are required for conditions.

### SECTION V -- FIREFIGHTING MEASURES

**EXTINGUISHING MEDIUM:**

Dry chemicals, foam, CO<sub>2</sub>. Use water spray, fog, or foam for larger fires.

**SPECIAL FIREFIGHTING PROCEDURES:**

Do not use solid water stream as it may scatter fire. Withdraw from the area and let the fire burn itself out under controlled conditions. Withdraw immediately in case of rising sound from venting safety device or any discoloration of the tank due to fire. Cool containing vessels with water spray in order to prevent pressure build-up, autoignition or explosion.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Do not cut, weld, heat, drill, or pressurize empty container.

**SPECIAL HAZARDS:**

None

### SECTION VI -- ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:**

Safety glasses, gloves, and protective clothing. Caution, may create a slippery condition.

**SPILL AND LEAK PROCEDURES:**

ELIMINATE ALL IGNITION SOURCES. Stop leak without risk and contain spill. Absorb with inert absorbent materials such as clay or sand. Place absorbent in closed metal containers for later disposal or burn in appropriate facility. Keep spills out of sewers and open bodies of water.

### SECTION VII -- HANDLING AND STORAGE

**STORAGE:**

Keep in cool, dry, ventilated storage area and in closed containers. Keep away from sources of ignition and oxidizing materials. DO NOT FREEZE.

**HANDLING:**

KEEP AWAY FROM SOURCES OF IGNITION. Do not reuse empty containers. Practice good hygiene. Wash hands before eating. Launder clothes before reuse. Discard saturated leather.

### SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

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- VENTILATION:** Under normal handling conditions special ventilation is not necessary. If operation generates mist or fumes, use ventilation to keep exposure of airborne contaminants below exposure limits.
- RESPIRATORY PROTECTION:** None required if good ventilation is maintained. If mist is generated by heating or spraying, use a NIOSH approved organic respirator with a mist filter.
- EYE PROTECTION:** Chemical splash goggles recommended.
- PROTECTIVE CLOTHING:** Clothing to minimize skin contact, long sleeves, boots or shoes. For casual contact PVC gloves are suitable, for prolonged contact use neoprene or nitrile gloves.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Vegetable oil mist	10 mg/M <sup>3</sup>	TWA 5 mg/M <sup>3</sup> mist, 15 mg/M <sup>3</sup> total mist	TWA 5 mg/M <sup>3</sup> mist, 10 mg/M <sup>3</sup> total mist

## SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

- Physical State:** Liquid
- Odor:** Woody, musty odor
- Vapor Density:** N/D
- Solubility in Water:** Dilutable
- Relative Density:** 0.9-1.1
- Melting/Freezing Point:** N/D
- VOC Content:** N/D
- Viscosity:** N/D
- Flashpoint:** >94°C (>200°F)
- Flammable Limits LEL:** N/D
- Flammable Limits UEL:** N/D
- Odor Threshold:** N/D
- Initial Boiling Point/Range:** 100°C (212°F)
- Vapor Pressure:** N/D
- Evaporation Rate:** N/D
- pH:** 6-9
- Octanol/Water Coefficient:** N/D
- Decomposition Temperature:** N/D

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**Flammability (solid/gas):** N/A  
**Auto Ignition Temperature:** N/D

### SECTION X -- STABILITY AND REACTIVITY

**REACTIVITY:** None  
**CHEMICAL STABILITY:** Stable  
**CHEMICAL INCOMPATIBILITY:** Can react with strong organic oxidizing materials, strong acids and strong bases.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide, smoke, hydrocarbons and irritating fumes of sulfide oxides, aldehydes and acrolein.  
**HAZARDOUS POLYMERIZATION:** Does not occur under normal industrial conditions.  
**CONDITIONS TO AVOID:** Excessive heat and flame

### SECTION XI -- TOXICOLOGICAL INFORMATION

#### EFFECTS OF OVEREXPOSURE

**INHALATION:** Inhalation is highly unlikely, however, prolonged or repeated inhalation of fumes or mists may cause irritation to the respiratory tract. Product deposits in lungs may lead to fibrosis and reduced pulmonary function.  
**SKIN:** Prolonged or repeated contact may cause skin irritation, dermatitis, or oil acne.  
**EYES:** Prolonged or repeated contact may be irritating to eyes. Will not cause permanent damage.  
**INGESTION:** Relatively non-toxic to digestive tract.  
**CARCINOGENICITY:** N/D  
**GERM CELL MUTAGENICITY:** N/D  
**REPRODUCTIVE TOXIN:** N/D

### SECTION XII -- ECOLOGICAL INFORMATION

Nonylphenol ethoxylate may have long term adverse effects to aquatic organisms.

### SECTION XIII -- DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Consult your local authorities for regulations. Preferred waste management: recycle or reuse, incinerate with energy recovery, disposal in a licensed facility. Disposal facility should be compliant with state, local and federal government regulations.

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### SECTION XIV -- TRANSPORTATION INFORMATION

**DOT HAZARDOUS MATERIAL DESCRIPTION:** Non-regulated  
**PROPER SHIPPING NAME:** BioSoyl®  
**UN NUMBER:** N/D  
**HAZARD CLASS/PACKAGING GROUP:** Non-regulated  
**LABELS REQUIRED:** None

### SECTION XV -- REGULATORY INFORMATION

<b>NFPA RATING:</b>	Health: 1	<b>HMIS RATING:</b>	Health: 1
	Flammability: 1		Flammability: 1
	Instability: 0		Physical Hazard: 0
			PPE: B,x

**EPA SARA Title III hazard class:** None  
**OSHA HCS hazard class:** eye irritant  
**EPA SARA Title III Section 313 (40CFR372)**  
**Toxic Chemicals present in quantities greater than the "de minimus" level are:** 0.1-1.0% nonylphenoyl ethoxylate  
**TSCA:** Components of this product are listed on TSCA inventory  
**Canadian WHIMIS:** D2B, irritant  
**Canadian DSL:** All components of this product are listed on Domestic Substance List.  
**California Proposition 65:** Does not contain any Prop 65 chemicals.

### SECTION XVI -- OTHER INFORMATION

**LATEST REVISION:** 30-Mar-17  
**ABBREVIATIONS AND SYMBOLS:**

N.D. Not Determined	N.A. Not Applicable	N.T. Not Tested
< Less Than	> More Than	