

SAFETY DATA SHEET

SECTION I -- IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

TRADE NAME: 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, 2A
SIGNAL WORD: Warning
HAZARD STATEMENT(S): Causes eye irritation

Pictograms



PRECAUTIONARY STATEMENT(S): Flush eyes for several minutes.
 May cause irritation if swallowed.
 Wash hands and exposed areas thoroughly.
 Contact physician if irritation persists.

OTHER HAZARDS: Moderately toxic to aquatic life

SECTION III -- COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	WT %
Tall-oil pitch	8016-81-7	< 15%
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	>50%
Soap, stocks, vegetable oil, acidulated	68952-95-4	<30%
Alcohols, C11-14-iso, C13 -rich, ethoxylated	78330-21-9	<2%
Polyoxyethylene sorbitan trioleate	9005-70-3	<1%

SECTION IV -- FIRST AID MEASURES

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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:	Remove contaminated clothing. 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 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 ₂ . Use water spray, fog, or foam for larger fires.
UNSUITABLE EXTINGUISHING MEDIA	Do not use water in a jet as it may spread fire.
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.
SPECIAL FIREFIGHTING EQUIPMENT	Firefighters should be equipped with self contained breathing apparatus and turn-out gear
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Hazard combustion products may include a complex mixture of solid and liquid particulates and gases (smoke). Carbon monoxide may evolve if incomplete combustion occurs. Unidentified organic and inorganic compounds. Do not cut, weld, heat, drill, or pressurize empty container.

SECTION VI -- ACCIDENTAL RELEASE MEASURES

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

ENVIRONMENTAL PRECAUTIONS Keep spills out of sewers and open bodies of water. Use absorbent material to keep from spreading into bodies of water, drains or ditches. Advise local authorities is significant amounts cannot be contained.

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.

PRECAUTIONS: This material has the potential to be a static accumulator. Proper grounding and bonding procedures should be used during all bulk transfer operations.

SECTION VIII -- EXPOSURE CONTROL/PERSONAL PROTECTION

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
Oil mist	5 mg/M ³	TWA 5 mg/M ³ mist	TWA 5 mg/M ³ mist

SECTION IX -- PHYSICAL AND CHEMICAL PROPERTIES

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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:	>100°C (>210°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
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.
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.
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SKIN: Prolonged or repeated contact may cause skin irritation, dermatitis, or oil acne.
EYES: Prolonged or repeated contact may be irritating to eyes.
INGESTION: Ingestion may cause gastrointestinal disturbances and irritation.
CARCINOGENICITY: N/D
GERM CELL MUTAGENICITY: N/D
REPRODUCTIVE TOXIN: N/D

SECTION XII -- ECOLOGICAL INFORMATION

Aquatic testing was performed on "as received" BioSoyl Plus. Testing shows that in the concentrated form BioSoyl Plus has an EPA toxicity rating for most tests as slightly toxic. This testing demonstrates "worst case catastrophic scenario" and does not portray the typical application

<u>Aquatic species</u>	<u>acute LC₅₀ (mg/L)</u>	<u>chronic NOEC (mg/L)</u>
C. dubia (water flea)	74.9	50
P. promelas (fathead minnow)	177.6	125
O. mykiss (rainbow trout)	223.6	125
M. bahia (mysid shrimp)	60.04	50

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.

SECTION XIV -- TRANSPORTATION INFORMATION

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

SECTION XV -- REGULATORY INFORMATION

NFPA RATING:	Health: 1	HMIS RATING:	Health: 1
	Flammability: 1		Flammability: 1
	Instability: 0		Physical Hazard: 0
			PPE: B,x



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EPA SARA Title III hazard class:	None
OSHA HCS hazard class:	Eye irritant
SARA 304 (Emergency planning release notification)	This product does not contain any components with release notification requirements
SARA 311/312 (Hazardous chemical storage reporting)	Immediate (acute) health hazard
SARA 313 (Toxic Chemical Release Inventory)	This product does not contain components that exceed the threshold reporting requirements.
TSCA:	Components of this product are listed on TSCA inventory

SECTION XVI -- OTHER INFORMATION

ABBREVIATIONS AND SYMBOLS:

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