

MATERIAL SAFETY DATA SHEET

Preferred Industrial

EnviraSafe-BioShield WS

SOURCE: Preferred Industrial

ADDRESS: 3160-21331 Gordon Way, Richmond, BC V4B 3K5

24 HOUR EMERGENCY ASSISTANCE: Chemtrec: (800) 424-9300

GENERAL MSDS ASSISTANCE: (604) 231-6030 or 1-866-522-1600

DATE PREPARED: 06/06/11

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PRODUCT NAME: EnviraSafe-BioShield WS

HMIS CODE: Health – 1 Fire – 0 Reactivity – 0 Protection - A TRADE NAME

AND SYNONYMS: Biodegradable Mold & Form Release – Water Soluble

CHEMICAL FAMILY: Glyceride Oils

SECTION I - COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONANT | CAS # | OSHA TWA | OSHA STEL | ACGIH TWA | ACGIH STEL |
|--------------------|--------------|---------------------|--------------|-------------------------|---------------|
| Glyceride Oil | 56-81-5 | 5 mg/m ³ | -- | 10 mg/m ³ | --- |
| Surfactant Mixture | Confidential | --- | --- | --- | --- |

HAZARDOUS INGREDIENTS: NONE AS DEFINED UNDER THE U.S. OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) OR THE CANADIAN HAZARDOUS PRODUCTS. ACT S.C. 1987, C.30 (PART 1).

THE PRECISE COMPOSITION OF THIS PRODUCT IS PROPRIETARY INFORMATION. A MORE COMPLETE DISCLOSURE WILL BE PROVIDED TO A PHYSICIAN IN THE EVENT OF A MEDICAL EMERGENCY.

SARA HAZARD: NONE NOTED (SECTION 311/312) TITLE III SECTION 313 - NOT LISTED All components of this product are listed on the TSCA registry.

SECTION II - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: >130C (266F)

VAPOR DENSITY: Exceeds 3

SPECIFIC GRAVITY (H₂O=1.0): 1.22 **VAPOR PRESSURE:** Not applicable

PERCENT VOLATILE BY VOLUME: 0% **SOLUBILITY IN WATER:** Miscible

EVAPORATION RATE: Not applicable

APPEARANCE AND ODOR: A pale yellow, oily liquid - only a faint odor.

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SECTION III - FIRE AND EXPLOSION DATA

FLAMMABILITY CLASSIFICATION: Combustible Liquid - Class

IIIB. FLASHPOINT: Greater than 550 F (288 C).

METHOD USED: Tag Closed Cup.

EXTINGUISHING MEDIA: CO₂, dry chemical, foam, sand.

SPECIAL FIREFIGHTING PROCEDURES: Avoid use of water as it may spread fire by dispersing oil. Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Rags soaked with any oil or solvent can present a fire hazard and should always be stored in UL Listed or Factory Mutual approved, covered containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions can lead to spontaneous combustion.

SECTION IV - REACTIVITY DATA

STABILITY: Generally stable. Spontaneous combustion can occur. See Unusual Fire and Explosion Procedures, Section III.

CONDITIONS TO AVOID: High surface area exposure to oxygen can result in polymerization and release of heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITIONS OR BY-PRODUCTS: Decomposition may produce carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: As a liquid - none. As oil mist - 10 mg/m³ total particulate.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Excessive inhalation of oil mist may affect the respiratory system. Oil mist is classified as a nuisance particulate by ACGIH.

SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Not classified as a primary skin irritant or corrosive material. Sensitive individuals may experience dermatitis after long exposure of oil on skin.

HEALTH HAZARDS (ACUTE AND CHRONIC): Acute: none observed by inhalation.
Chronic: none reported.

EMERGENCY AND FIRST AID PROCEDURES FOR:

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SKIN CONTACT: May be removed from skin by washing with soap and warm water.

EYE CONTACT: Immediately flush eyes with plenty of cool water for at least 15 minutes. Do NOT let victim rub eyes.

INHALATION: Immediately remove exposed individual to fresh air source. If victim has stopped breathing give artificial respiration, get medical attention immediately.

SECTION VI - PRECAUTIONS FOR SAFE HANDLING AND USE

ENVIRONMENTAL PRECAUTIONS: Where large spills are possible, a comprehensive spill response plan should be developed and implemented.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate respiratory protection and protective clothing as described in section VIII. Depending on quantity of spill: (a) Small spill - add solid absorbent, shovel into disposable container and wash the area. Clean area with detergent. (b) Large spill - Squeegee or pump into holding container. Clean area with detergent. In the event of an uncontrolled release of this material, the user should determine if this release is reportable under applicable laws and regulations.

WASTE DISPOSAL METHOD: All recovered material should be packaged, labeled, transported, and disposed or reclaimed in accordance with local, state, and federal regulations and good engineering practices.

SECTION VII - CONTROL MEASURES

RESPIRATORY PROTECTION: Not normally needed. A qualified health specialist should evaluate whether there is a need for respiratory protection under specific conditions.

VENTILATION: Handle in the presence of adequate ventilation. Intermittent clean air exchanges recommended, but not required.

PROTECTIVE GLOVES: Not normally needed. However, protective clothing is always recommended when handling chemicals.

EYE PROTECTION: Eye protection is always recommended when handling chemicals. Wear safety glasses meeting the specifications established in ANSI Standard Z87.1.

SECTION VIII - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from flame, fire, and excessive heat.

SECTION IX - DISCLAIMER AND/OR COMMENTS

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We recommend that containers be either professionally reconditioned for re-use by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable federal, state, provincial, local laws and regulations. "Empty" drums should not be given to individuals.

The conditions of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.

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