



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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SAFETY DATA SHEET BIOSPERSE 4015

Protection Required



SECTION 1 – MATERIAL IDENTIFICATION AND USE

Manufacturer's Name : PMC Water Systems Services Inc.
Manufacturer's Address : 124 Connie Crescent, Unit 9, Concord, ON L4K 1L7
Manufacturer's Phone # : (905) 669-8262
24 Emergency Phone # : Canutec (613) 996-6666
Product Identifier : Biosperse 4015
Product Use : Water Treatment / Biodispersant

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

Ingredients	Concentration	CAS #	LD ₅₀	LC ₅₀
Sodium 2-Ethylhexyl Sulphate	1-5%	126-92-1	6000 mg/kg (oral – rat)	No Data Available

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Statement Causes skin irritation. Causes serious eye irritation.
Precautionary Statement Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing.

SECTION 4 – FIRST AID MEASURES

Eye Contact Immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Check for and remove any contact lenses. Get medical attention.
Skin Contact Immediately flush skin with plenty of water. Cold water may be used. Cover irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing and thoroughly clean shoes before reuse. Get medical attention.
Inhalation Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion Get immediate medical attention.
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. If convulsions occur lower the head so that the vomit will not reenter the mouth and throat. Vomiting increases risk of chemical pneumonia or pulmonary edema caused by aspiration. Seek medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability Not flammable
Flash Point Closed Cup: 100°C (212°F)
Autoignition Temperature Not Applicable
Extinguishing Media Small Fire: Use DRY chemical powder. Large Fire: Use water spray, fog or foam. Do not use water jet.
Firefighting Equipment Fire fighters should wear full protective clothing, including self-contained breathing equipment.
Hazardous Combustion Products When heated to decomposition, may emit toxic fumes - carbon oxides, sulfur oxides and some metallic oxides.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear appropriate protective equipment.
Environment Precautions	Prevent entry into sewers or streams, dike if needed. Consult local authorities.
Cleanup Procedures	Absorb with an inert material and put the spilled material in appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

SECTION 7 – HANDLING AND STORAGE

Handling	For industrial use only. Handle and open containers with care. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid inhalation of chemical. Empty containers may contain hazardous product residues. Keep the containers closed when not in use. Protect against physical damage. Use appropriate personnel protective equipment.
Storage Requirements	Keep container tightly closed. Store container in a cool, well-ventilated area. Keep away from heat and sources of ignition.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection	Good general ventilation should be sufficient to control airborne levels. In case of insufficient ventilation, wear suitable NIOSH approved respirator or equivalent.
Skin Protection	Protective gloves. Wear protective clothing and equipment. Lab coat
Eye/Face Protection	Safety goggles. Chemical resistant gloves.
General Hygiene	An eyewash station and safety shower should be available

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	:	Liquid
Odour and Appearance	:	Characteristic odour; clear
Odour Threshold	:	No Data Available
Specific Gravity (Water = 1)	:	1.10 g/cc
Vapour Pressure (mmHg)	:	No Data Available
Vapour Density (Air = 1)	:	No Data Available
Evaporation Rate	:	No Data Available
Boiling Point	:	100°C, 212°F
Freezing/Melting Point	:	Not Available
pH	:	9.5 – 10.5
Coefficient Water/Oil Distribution	:	Not Available
Solubility in Water	:	Soluble

SECTION 10 – STABILITY AND REACTIVITY

Stability/Reactivity	Stable under normal conditions.
Conditions for Chemical Instability	No Information available
Incompatible Materials	Strong oxidizing substances.
Hazardous Decomposition Products	When heated to decomposition, may emit toxic fumes.
Hazardous Polymerization	Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Skin Contact	:	May cause skin irritation.
Eye Contact	:	Causes eye irritation.
Ingestion	:	Harmful if swallowed. May result in irritation of the mouth and gastrointestinal tract
Inhalation	:	Harmful if inhaled. Causes irritation of the mouth, nose and throat.
Chronic Exposure Effects	:	The substance is toxic to central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.
Irritancy	:	Not Data Available
Sensitization	:	Not Data Available
Carcinogenicity	:	Not Data Available
Teratogenicity	:	Not Data Available
Mutagenicity	:	Not Data Available
Reproductive Effects	:	Not Data Available

SECTION 12 – ECOLOGICAL INFORMATION

General Comments Products of degradation are less toxic than the product itself. May be harmful to aquatic organisms.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Dispose in accordance with federal, provincial or local government requirements. Contact your local, provincial or federal environmental agency for specific regulations.

SECTION 14 – TRANSPORT INFORMATION

TDG Shipping Regulations Not TDG Regulated

SECTION 15 – REGULATORY INFORMATION

WHMIS Classification Class D2B: Toxic Material
Domestic Substances List All ingredients in the product are listed on the DSL.

SECTION 16 – OTHER INFORMATION

Prepared by: Lab Services
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While all the data presented is believed to be accurate at the time of preparation, PMC Water Systems Services Inc. makes no warranty; the data is offered for your consideration, investigation and verification.
