



PMC WATER SYSTEMS SERVICES INC.

124 CONNIE CRES. UNIT 9 CONCORD, ONTARIO.

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MATERIAL SAFETY DATA SHEET

ANTIFOAM S-10

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 : Antifoam S-10
Product Use : Defoamer

SECTION 2 – COMPOSITION/INGREDIENTS OF MATERIAL

| Ingredients | Concentration | CAS # | LD ₅₀ | LC ₅₀ |
|------------------------|---------------|---------|-------------------|-------------------|
| Formaldehyde | <0.1% | 50-00-0 | >5000 mg/kg (rat) | No Data Available |
| Silicon fluid compound | 10% | NA | No Data Available | No Data Available |

SECTION 3 – HAZARDS IDENTIFICATION

Hazard Classification : Toxic to aquatic life
Signal Word : WARNING! TOXIC TO AQUATIC LIFE
Precautionary Phrases : May cause eye irritation—wear appropriate eye protection when handling.
Product spills are extremely slippery: prevent foot traffic in area of spill.
Prevent spills from contaminating natural waterways.

SECTION 4 – FIRST AID MEASURES

Eye Contact : Contact with eyes may result in irritation. Immediately flush eyes with water or ophthalmic rinse solution; continue flushing with water for 15 minutes to remove any residual material. If irritation persists, seek medical attention.

Skin Contact : Prolonged contact with skin may produce irritation. Remove contaminated clothing and flush contact area with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation : Inhalation of product mists may cause respiratory irritation. Move victim to fresh air. If breathing is difficult, provide oxygen. If irritation persists, seek medical attention.

Ingestion : Ingestion may result in gastrointestinal discomfort. If victim is conscious, provide water or milk to dilute ingested material. Do not induce vomiting unless instructed by a physician or Poison Control Center. Get immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

Flammability : Not flammable
Flash Point : Not flammable
Autoignition Temperature : Not flammable

Extinguishing Media : For small fires, use A-B-C fire extinguisher. Large fires may be extinguished with any media suitable for the surrounding fire.

Firefighting Equipment : Wear self-contained breathing apparatus.

Hazardous Combustion Products : Thermal decomposition may produce hazardous CO, fumes and particulate silica.

HMIS Ratings : Health 1, Flammability 0, Reactivity 0

SECTION 6 – ACCIDENTAL RELEASE MEASURES

| | |
|--------------------------------|---|
| Personal Precautions | First responders should wear recommended personal protective equipment. For large spill cleanup, personnel should wear chemical-resistant splash suit or coveralls. |
| Environment Precautions | Prevent spills from contaminating natural waterways or municipal sewer systems. Use chemical-resistant spill control socks/booms to minimize spread of spill. |
| Cleanup Procedures | Reclaim as much spilled material as possible and return to original container. Use copious amount of water to flush spill residue to wastewater treatment system. |

SECTION 7 – HANDLING AND STORAGE

| | |
|----------------------------|---|
| Handling | Use containment devices to prevent uncontrolled spills. Do not eat, drink, or smoke while handling product; wash thoroughly with soap after handling. |
| Storage Requirement | Store at room temperature. Keep container closed when not in use. Use containment devices to prevent uncontrolled spills. |

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|-------------------------------|--|
| Respiratory Protection | Not normally required |
| Skin Protection | Chemical resistant gloves. |
| Eye/Face Protection | Safety glasses. |
| General Hygiene | An eyewash station and safety shower should be available |

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|-----------------------------------|
| Physical State | : Liquid |
| Odour and Appearance | : Mild sweet; opaque white liquid |
| Odour Threshold | : Not Available |
| Specific Gravity (Water = 1) | : 1.0 |
| Vapour Pressure (mmHg) | : <0.01 @ 20°C, 86°F |
| Vapour Density (Air = 1) | : Not Available |
| Evaporation Rate | : Not Available |
| Boiling Point | : 100°C, 212°F |
| Freezing/Melting Point | : 0°C, 32°F |
| pH | : Neat 7.0 – 8.5 |
| Coefficient Water/Oil Distribution | : Not Available |
| Solubility in Water | : Dispersible |

SECTION 10 – STABILITY AND REACTIVITY

| | |
|--|---|
| Stability/Reactivity | Stable under normal storage and conditions. |
| Conditions for Chemical Instability | Keep container closed and prevent exposure to temperature extremes. |
| Reactivity | This product may react with strong oxidizing materials. |
| Hazardous Decomposition Products | Thermal decomposition may produce hazardous CO, fumes and particulate silica. |

SECTION 11 – TOXICOLOGICAL INFORMATION

| | |
|---------------------------------|---|
| Routes of Entry | : Eye/skin contact |
| Skin Contact | : Yes |
| Eye Contact | : Yes |
| Ingestion | : Yes |
| Inhalation | : Yes |
| Chronic Exposure Effects | : May cause nausea, vomiting or diarrhea |
| Irritancy | : Eye irritant |
| Sensitization | : Not Data Available |
| Carcinogenicity | : No ingredients listed by IARC, NTP, or OSHA |
| Teratogenicity | : No ingredients listed by IARC, NTP, or OSHA |
| Mutagenicity | : Not Data Available |
| Reproductive Effects | : Not Data Available |

SECTION 12 – ECOLOGICAL INFORMATION

Aquatic Toxicity

Fathead minnow, 96 hour LC₅₀, = > 500 mg/l (actual value from similar product)

Daphnia magna, 48 hour EC₅₀, = 6.28 mg/l (actual value from similar product)

Based on these test results, this product is expected to be slightly toxic to fish and moderately toxic to aquatic invertebrates. Prevent spills from entering natural waterways and sewer systems.

Biodegradability

No specific biodegradability data have been determined for this product.

Environmental Fate

This product would be gradually dispersed and biologically degraded in natural waterways and soil. The organic components are not anticipated to resist natural degradation or bioaccumulate.

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

Not WHMIS Regulated

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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Concord, ON L4K 1L7

Preparation Date:

July 14, 2016

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.