



SAFETY DATA SHEET

HL-11917

Issue Date: 01 Sept 2016

Revision Date: N/A

PRODUCT IDENTIFICATION

Company Product Name:

HL-11917

Other/Generic Names:

Hyper-Logic - Membrane Cleaning Cartridge-20"x4.5"-XL-Organics Removal for 4-6 membrane systems

Product Use and Restrictions on Use

RO Membrane Cleaner

Supplier:

Hydrologic Purification Systems
370 Encinal Street, Suite 150
Santa Cruz, CA 95060

For More Information Call:

(Monday-Friday, 9:00am-5:00pm)

(888) 426-5644

For Emergency Call:

For Chemical Emergency, Spill Leak Fire Exposure or Accident - Call CHEMTREC Day or Night DOMESTIC NORTH AMERICA 800-424-9300 INTERNATIONAL, CALL 703-527-3887 (collect calls accepted)

HAZARDS IDENTIFICATION AND COMPOSITION/INFORMATION ON INGREDIENT

Ingredient Name	CAS Number	Weight %
HL - 11917	60-00-4	100%

Hazardous Ingredients: None.

- Recognized as safe.
- No more than slightly toxic.
- Swallowing large quantities may result in nausea, vomiting, gastrointestinal tract irritation.
- No more than slightly irritating.
- This product may cause coughing, chest tightness, runny nose, chest pain and burning throat.

FIRST AID MEASURES

Effects of Exposure SKIN:

No more than slightly irritating.

EYES:

No more than slightly irritating.

INHALATION:

This product may cause coughing, chest tightness, runny nose, chest pain and burning throat.



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INGESTION:

No more than slightly toxic. Swallowing large quantities may result in nausea, vomiting, gastrointestinal tract irritation.

First Aid Measures

SKIN:

Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.

EYES:

Immediate first aid is not likely to be required. However, this material can be removed with water. Remove material from eyes, skin and clothing. Wash heavily contaminated clothing before reuse.

RESPIRATORY:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

INGESTION:

Immediate first aid is not likely to be required. A physician or Poison Control Center can be contacted for advice.

FIRE FIGHTING MEASURES

Flash Point/ Method: Not combustible.

Extinguishing Media: Not applicable.

Special Fire Fighting Procedures: Not applicable.

Unusual Fire and Explosion Hazards: None known.

ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: In case of spill, sweep, scoop or vacuum and remove. If possible, complete clean-up on a dry basis. Flush residual spill area with water.

HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storing: Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. **STORAGE:** Store in a cool, dry place to maintain product performance.



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EXPOSURE CONTROLS/PERSONAL PROTECTION

SKIN PROTECTION:	Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice. Wearing protective gloves is recommended. Wash hands and contaminated skin thoroughly after handling.
EYE PROTECTION:	This product does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.
RESPIRATORY PROTECTION:	Avoid breathing dust. Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded (see below). Consult the respirator manufacturer to determine appropriate type of equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 C.F.R. 19103134
VENTILATION:	Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). The use of local mechanical exhaust ventilation is preferred at sources of air contamination such as open process equipment.

PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White Powder.
PHYSICAL STATE:	Powder.
ODOR:	No distinct odor.
SOLUBILITY IN WATER	Soluble.
pH (1% solution):	12.

STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions.
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: None known.



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INCOMPATIBILITIES: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

TOXICOLOGICAL INFORMATION

OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for particulates not otherwise classified (PNOC) which are the least stringent exposure limits applicable to dusts.

OSHA PEL ACGIH TLV

15 mg/m³ (total dust) 8-hr TWA 10 mg/m³ (inhalable) 8-hr TWA

5 mg/m³ (respirable) 8-hr TWA 3 mg/m³ (respirable) 8-hr TWA

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

ECOLOGICAL INFORMATION

Ecotoxicity: The following data is available for HL - 11917

Daphnia EC50 48h	No data available.
Fish LC50 96h	No data available.
Algae EC50 72h	No data available.

Biological Degradability: Easily Degradable.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Does not disturb waste water purification if properly used.

DISPOSAL CONSIDERATIONS

Dispose of waste material according to federal, state and local regulations.

May be disposed of in drain in a suitable facility, provided local regulations are observed.

Soiled, empty containers are to be treated in the same way as the contents.

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TRANSPORT INFORMATION

Not DOT Regulated.

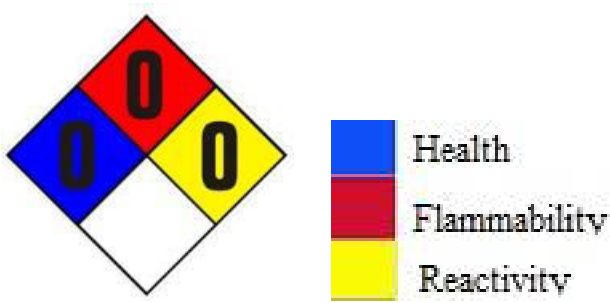
REGULATORY INFORMATION

Not Applicable.

OTHER INFORMATION

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

Hazard rating: 0 – Minimal; 1 – Slight; 2 – Moderate; 3 – Serious; 4 – Severe; *Chronic health effect



SPECIAL HMIS RATINGS NOTES:

Protection = H (Safety goggles, gloves, apron and a vapor respirator)