



AQUASPHERE COAGULANTS INC.

MATERIAL SAFETY DATA SHEET

SECTION 01 – MATERIAL IDENTIFICATION

MATERIAL NAME

WHMIS Classification: D-2B

ZEFLOC L- 100

CHEMICAL NAME : Polyaluminum Silicate Sulfate Solution

USE: Treatment of waste water, and industrial process water.

Manufacturer: AQUASPHERE COAGULANTS INC.
Address: 9515 Côte-de-Liesse
Dorval, Québec
H9P 2N9, Canada

Tel: (514) 636-7779
Toll free: 1-877-426-9557
Fax: (514) 636-2371

SECTION 02 – HAZARDOUS INGREDIENTS

INGREDIENT	% CONC.	CAS#	LD50	LC50
Poly aluminum Silcate Sulfate	15-40%	131148-05-5	N/AV	N/AV

SECTION 03 – HAZARD IDENTIFICATION

ROUTE OF EXPOSURE:

SKIN: Yes. ABSORPTION: No.

EYES: Yes.

INGESTION: Yes.

INHALATION: No.

EFFECTS OF ACUTE EXPOSURE:

SKIN: May cause an irritation.

EYES: May cause an irritation.

INGESTION: May cause an irritation to the mouth and digestive tracts.

INHALATION: The mist is a respiratory tract irritant.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Frequent or prolonged contact may cause dermatitis.

SECTION 04 – FIRST AID MEASURES

SKIN: Flush thoroughly with water while removing contaminated clothing.

EYES: Flush eyes immediately and thoroughly with water taking care to rinse under eyelids. If irritation persists, consult a physician.

INGESTION: Give water or milk to drink. Induce vomiting If victim is conscious. Never induce vomiting in an unconscious or convulsive person. Consult a physician.

INHALATION: In case of discomfort, remove to fresh air. If irritation persists, consult a physician.

SECTION 05 – FIRE AND EXPLOSION HAZARD

Flammability: Non combustible.

If so, under what condition:

Extinguishing media :	N/AP.	Explosive properties:	N/AP
Flash Point:	N/AP.	Oxidizing properties:	N/AP
Auto-ignition temperature:	N/AP.	NFPA fire code:	N/AP
Lower flammable limit:	N/AP		
Upper flammable limit:	N/AP		

Hazardous combustion products: N/AP

SECTION 06 – SPILL MANAGEMENT

In case of leak or spill: Contain spill if possible. Recover spill in a container if possible. Neutralize spill with an alkali such as sodium carbonate or lime. Supernatant liquid remaining after neutralization may be flushed to a sanitary sewer if allowed, or recovered with absorbent materials for disposal. See disposal considerations (Sect. 13).

WARNING: Will give an astringent taste to water supply. High concentrations may increase lead content of water if lead supply pipes are used.

SECTION 07 – STORAGE AND HANDLING

HANDLING METHODS AND PRACTICES: See Sect. 3 and 8 for precautions. Avoid accidents. Handle in containers, piping and pumps made of stainless steel, fiberglass or glass. Maintain good personal hygiene.

STORAGE REQUIREMENTS: Store in stainless steel, fiberglass or plastic containers. Store above 15°C. Do not store in containers made of aluminum, magnesium, zinc or copper alloys. Keep away from incompatible materials.

SECTION 08 – PREVENTIVE MEASURES

EYES: Where splashes may occur, wear goggles or chemical safety glasses.

SKIN: Where splashes may occur, wear impervious gloves.

RESPIRATORY PROTECTION: If high vapor concentrations wear a dust and mist respirator.

SECTION 09 – PHYSICAL CHARACTERISTICS

Physical state:	Liquid.
Appearance:	Pale amber liquid.
Specific gravity:	1.25-1.35 (@ 20°C).
Boiling point:	Decomposes at 90°C.
Freezing point:	-10°C
Evaporation rate:	N/D
Vapor density (air=1):	1.0
Water solubility:	Hydrolyses.
% volatility:	N/D
Partition coefficient:	N/D
pH: as is	3.0 +/- 0.5

SECTION 10 – REACTIVITY DATA

Chemical stability : Stable.

If not, in what conditions?:

Incompatibility with other substances: Avoid contact with strong alkali, oxidizers and hydro-reactive materials.

Conditions of reactivity: Rapidly hydrolyses at 90°C.

Hazardous polymerization: N/AP

Hazardous decomposition: May liberate sulfur oxides and aluminum oxides when boiled to dryness or heated above 200°C.

SECTION 11 – TOXICOLOGICAL PROPERTIES

LD50 of material (specify species and route): N/AV

LC50 of material (specify species and route): N/AV

CARCINOGENICITY / MUTAGENICITY / TERATOGENICITY: None known.

SECTION 12 – ECOLOGICAL INFORMATION

N/AV

SECTION 13 – DISPOSAL CONSIDERATIONS

Do not pollute with careless disposal practices. Recycle if possible. Dispose of waste in a manner consistent with all Federal, State, or Local regulations in effect.

SECTION 14 – TRANSPORT INFORMATION

Not regulated for transport

SECTION 15 – REGULATORY INFORMATION

WHMIS Class: D-2B

SECTION 16 – ADDITIONAL INFORMATION

Prepared by: Environmental & Safety group

Date: August 17, 2010.

Emergency Tel: (514) 636-7779

N/AV = not available

N/AP = not applicable

N/D = not determined

The above given information has been collected from reputable, informed and sure sources. We offer this information to our clients in good faith and to the best of our knowledge. It is possible that additional precautions would be required for the handling, use, or storage of this product. We decline and reject all responsibility for the content, accuracy, for losses or injuries that could result due to the use of this product according, or consequent to the information supplied, or label claims.