

MATERIAL SAFETY DATA SHEET

Section 1 - Product Information

Manufacturer: Marlig Industries, Inc.
Address: 3308 Fairway Road
Niagara Falls, Ontario L2J 3R6
Emergency Telephone Number: (905) 374-2560
Sales Name: Geo-Loop Conditioner
Chemical Name: No- Sodium Silicate Solution
Silicic acid, sodium salt

Section 2 - Physical Data

Appearance and Odor: Viscous Liquid. Colorless to Hazy
Specific Gravity: 1.394
Solubility in Water: Complete
Solids Content: 37.6
pH (aqueous liquids only): 11.3

Section 3 - Fire or Explosion Hazard

Flash Point (C):)
Flammable Limits (Vapor In Air, Vol. %):) non flammable aqueous liquid
Fire Extinguishing Media:)
Special Fire Fighting Procedures:)
Unusual Fire and Explosion Hazards:)

Section 4 - Reactivity Data

Stability: Stable
Conditions To Avoid: Flammable Hydrogen gas may be produced
Incompatibility (materials to avoid): On prolonged contact with metals such as aluminum,
tin, lead and zinc
Hazardous Decomposition Products: Gels when mixed with acid.
Hydrogen

Section 5 - First Aid Procedures

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Antidote:

If swallowed, do not induce vomiting. Give large quantities of water or milk. Never give anything by mouth to an unconscious person. Call a physician.

Section 6 - Preventative Measures

Avoid contact with eyes or skin. Wash thoroughly after handling.

Engineering Control:	Not applicable.
Special Shipping Information:	Not required.
Environmental Hazard:	High pH (alkalinity) of undiluted un-neutralized material is harmful to aquatic life.
Spillage:	Sinks and mixes with water. Small quantities (less than 100 gallons) - Mop up and flush to sewer with plenty of water
Water Disposal Method:	Small quantities (less than 100 gallons) flush to sewer with plenty of water

Section 7 - Toxicological Properties

Route of Entry:	
Eye Contact:	Causes irritation.
Skin Contact:	Causes irritation.
Inhalation:	Spray mist may damage respiratory tract.
Ingestion:	Causes irritation.
Chronic Hazard:	None known. Not listed by NIP, IARC or OSHA as a carcinogen.
Exposure Limits:	Permissible exposure limit, or ACGIH Threshold Limit Value, has not been established. NSL recommended calling limit 5 mg/m ³ .
Exposure Analysis Methods:	Bubble sample through standard acid solution and titrate.

Section 8 - Hazardous Ingredients

Composition:	100% Liquid Sodium Silicate Solution
Cas Registry Number:	1344-09-8
LD:	Oral, rats, 3.3-8.4 gm/kg.
50:	

Geo-Loop Conditioner: Nontoxic, Nonflammable, Liquid Closed-Loop Conditioner and Sealant

Section 10 - Preparation:

Prepared By:	Gill Sorenson, Director / Marlig Industries, Inc. Tom Tesselaar, President / Marlig Industries, Inc. Lisa Peterson Chaney / Geothermal Supply Co., Inc.
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