

Safety Data Sheet

Material Name: Refrigerant Gel Products (SAP)

*** Section 1 – Product and Company Identification ***

Manufacturer Information

Lifoam Industries
235 Schilling Circle
Hunt Valley, MD 21031

Phone: 800-638-1471
Emergency# 410-889-1023

Recommended Use

Refrigerant gel for freezing/refreezing and used to maintain cold temperature.

*** Section 2 – Hazard Identification ***

GHS Classification:

Not Classified

GHS LABEL ELEMENTS

Symbol(s)

None

Signal Word

None

Hazard Statement

None

Precautionary Statements

None

*** Section 3 – Composition/Information on Ingredients ***

CAS#	Component	Percent
7732-18-5	Water	99.24
9003-04-7	Sodium polyacrylate	0.75-1.5

*** Section 4 – First Aid Measures ***

First Aid: Eyes

If gel does get into eyes, rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

First Aid: Skin

Wash affected area with soap and water. Seek medical attention for skin irritation.

First Aid: Ingestion

Non-Toxic ingestion, however if adverse symptoms appear, seek medical attention.

First Aid: Inhalation

If the affected person is not breathing, apply artificial respiration.

*** Section 5 – Fire Fighting Measures ***

General Fire Hazards

See section 9 for Flammability Properties.
No hazards associated with product.

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Hazardous Combustion Products

None

Extinguishing Media

Use appropriate extinguishing media for surrounding fire.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

***** Section 6 – Accidental Release Measures *****

Recovery and Neutralization

Spilled product may produce slippery conditions. Use care when attempting to recover spilled gel material.

Materials and Methods for Clean-Up

Flush spill area with water. Residual spills can be flushed into drain for wastewater treatment.

Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

None needed.

Environmental Precautions

None

Prevention of Secondary Hazards

None

***** Section 7 – Handling and Storage *****

Handling Procedures

No special handling needed under normal product use conditions. If gel is accidentally released, avoid prolonged eye and skin contact. May be a potential slip hazard.

Storage Procedures

No special storage necessary.

Incompatibilities

Not Determined

***** Section 8 – Exposure Controls/Personal Protection *****

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Measures

None needed under normal handling conditions.

Personal Protective Equipment: Respiratory

None needed under normal handling conditions.

Personal Protective Equipment: Hands

None needed under normal handling conditions.

Personal Protective Equipment: Eyes

None needed under normal handling conditions.

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Personal Protective Equipment: Skin and Body

Use appropriate body protection for the job task.

*** Section 9 – Physical & Chemical Properties ***

Appearance:	Gel/Viscous Liquid	Odor:	None
Physical State:	Gel	pH:	5.5-6.5
Vapor Pressure:	ND	Vapor Density:	NA
Boiling Point:	NA	Melting Point:	ND
Solubility (H2O):	Soluble	Specific Gravity:	ND
Evaporation Rate:	ND	VOC:	ND
Octanol/H2O Coeff:	ND	Flash Point:	NA
Flash Point Method:	NA	Upper Flammability Limit (UFL):	NA
Lower Flammability Limit (LFL):	NA	Burning Rate:	NA
Auto Ignition:	NA		

*** Section 10 – Chemical Stability & Reactivity Information ***

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Conditions to Avoid

None

Incompatible Products

Not Determined

Hazardous Decomposition Products

Not Determined

*** Section 11 – Toxicological Information ***

Acute Toxicity

Component Analysis – LD50/LC50

Water (7732-18-5)

Oral LD50 Rat >90 ml/kg

Sodium polyacrylate (9003-04-7)

Oral LD50 Rat >40 g/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

None anticipated under normal product handling conditions. Prolonged skin exposure to accidentally released gel may cause skin irritation.

Potential Health Effects: Eye Critical Damage/Stimulativeness

None anticipated under normal product handling conditions. May cause eye irritation if gel is accidentally released.



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Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product handling conditions.

Potential Health Effects: Inhalation

No respiratory effects anticipated.

Respiratory Organs Sensitization/Skin Sensitization

No skin sensitization effects anticipated.

Generative Cell Mutagenicity

This product is not reported to have any mutagenic effects.

Carcinogenicity

A. General Product Information

This product is not reported to have any carcinogenic effects.

B. Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any single exposure target organ toxicity effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any repeat exposure target organ toxicity effects.

Aspiration Respiratory Organs Hazard

This product is not reported to have any aspiration hazard effects.

***** Section 12 - Ecological Information *****

Ecotoxicity

A. General Product Information

This product is not reported to have any ecotoxicity effects.

B. Component Analysis – Ecotoxicity – Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Persistence/Degradability

This product has not been tested. Expected to be inherently biodegradable as the primary component is water. The expected environmental half-life for the SAP component is ≥ 100 days.

Bioaccumulation

No information available for this product.

Mobility in Soil

No information available for this product.

***** Section 13 – Disposal Considerations *****

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of in accordance with local/regional/national/international regulations, as applicable.

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Material Name: Refrigerant Gel Products (SAP)

***** Section 14 – Transportation Information *****

DOT Information

Shipping Name: Not Regulated

IATA Information

Shipping Name: Not Regulated

ICAO Information

Shipping Name: Not Regulated

IMDG Information

Shipping Name: Not Regulated

***** Section 15 – Regulatory Information *****

Regulatory Information

Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

State Regulations

Component Analysis – State

None of this product's components are listed on the state lists from CA, MA, MN, NJ, PA, or RI.

Component Analysis – WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

Component Analysis – Inventory

Component	CAS#	TSCA	CAN	EEC
Water	7732-18-5	Yes	DSL	EINECS
Sodium polyacrylate	9003-04-7	Yes	DSL	No

***** Section 16 – Other Information *****

Key/Legend

CAN = Canada; CAS = Chemical Abstract Service; EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; NJTSR = New Jersey Trade Secret Registry.

Literature References

None

Other Information



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