



**MATERIAL SAFETY DATA SHEET**  
**DIFLOMEX 9712 CO**  
**(Sodium Polyacrylate)**

**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION**

Trade Name: **DIFLOMEX 9712 CO**

Chemical Name: Sodium Polyacrylate

Chemical Formula:  $(\text{CH}_3\text{CHCOONa})_n$

Product type and use: Anionic polymer/ Suggested uses are: incrustation control agent, pigment dispersant, and for water treatment in general.

Company: **LGA Chemical Solutions, Inc.**  
8930 Wurzbach Rd. Suite 240  
San Antonio, TX 78240  
Email: [info@lgachemsol.com](mailto:info@lgachemsol.com)

**2. HAZARDOUS IDENTIFICATION**

**APPEARANCE AND ODOR**

Color: Yellow

Appearance: Viscous liquid

Odor: Characteristic

**STATEMENTS OF HAZARD**

Effects of a single overexposure by:

Inhalation:	May cause irritation of mucous membranes
Skin contact:	May cause irritation on prolonged exposure
Contact with eyes:	May cause irritation
Ingestion:	May be toxic

**Effects of a multiple overexposures by:**

No data available on multiple overexposures

**3. COMPOSITION INFORMATION ON INGREDIENTS**

	CAS No.	Concentration (%)
Sodium Polyacrylate	9003-04-7	30-34
Water	7732-18-5	66- 70

**4. HANDLING AND SAFETY**

Inhalation	Stay away from the contaminated area and breathe fresh air.
Skin contact	Remove contaminated clothing and shoes. Wash the contaminated skin with soap and water for at least 15 minutes. Ingredients are not absorbed through the skin.
Contact with eyes	Rinse with plenty of water for 15 minutes. SEEK FOR MEDICAL ATTENTION IMMEDIATELY.
Ingestion	Rinse mouth with water, and then drink water. Do not encourage vomiting. SEEK FOR MEDICAL EXAMINATION IMMEDIATELY.

**5. FIRE-FIGHTING MEASURES**



Flammable Properties	Not flammable
Extinguishing media	
- Suitable	Water, regular foam, carbon dioxide, regular dry chemical. Will not burn, use appropriate media for surrounding material
- Not suitable	None in particular
Specific protection of firefighters	Use suitable safety equipment

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precaution	Wear appropriate chemical resistant clothing, chemical resistant gloves and safety goggles.
Clean up	DO NOT COME IN CONTACT WITH SPILLED MATERIAL
- On ground:	Absorb Leak and Spills- Use sand, vermiculite, absorbent clay or diatomaceous earth in contaminated areas. Sweep or vacuum up the material, and place it in a disposal container. Residual material can be cleaned by washing with water and soap, collect all washes for disposal.
- On water:	Inform the appropriate local authority
- On clothing or equipment:	Separate contaminated clothes or equipment. Launder before reuse. Remove/Clean material from shoes and protective equipment.

## 7. HANDLING AND STORAGE



Handling:	Keep containers dry. Ensure all containers are labeled. Avoid skin and eye contact. Wear appropriate protective clothing
Store:	Keep containers tightly closed when not in use.

## 8. EXPOSURE CONTROLS/ PERSONAL PROTECCION

### EXPOSURE LIMITS: NONE

Engineering Controls:	Not normally needed. The working area and methods should be designed to prevent contact with the product.
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#### Personal Protection

- Eyes: Safety goggles
- Protective clothing: Safety goggles, standard protective clothing.
- Gloves: Neoprene or plastic gloves.

Safety Station	Create equipment for eye rinsing and safety/quick-drench shower, and washing facilities in work area.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Yellow
Appearance:	Viscous liquid
Odor:	Characteristic
Density g/cm <sup>3</sup> :	1.15 - 1.25
pH:	9.0 -10.5
Melting Point:	Not Available
Boiling Point:	>100°C



Vapor Density (air=1):	Not Available
Solubility in water:	Soluble
Specific Gravity:	1.15 – 1.25
Percent Volatile (volume):	Not Applicable
Vapor Pressure (mm. Hg):	Not Applicable
Evaporation rate(water=1):	Not Applicable
Flash Point:	Not flammable
Molecular Weight (Mw)	10,221

#### 10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions
Conditions to avoid:	Avoid exposure to extreme temperatures
Materials to avoid:	None reported
Hazardous decomposition or combustion:	None reported
Polymerization:	None reported

#### 11. TOXICOLOGICAL INFORMATION

Irritancy:	Irritant in prolonged exposure
Animal Toxicity Data:	Not Available
Carcinogenicity:	Not a known carcinogenic
Teratogenicity:	Not a known teratogenic
Mutagenicity:	Not available

#### 12. LOGICAL INFORMATION



Environmental Effects:	Not Available
Toxic Irritation limit:	Not Available
Algae:	Not Available
Protozoa:	Not Available
Teratogenicity:	Not a known teratogenic
Mutagenicity:	Not available
Biodegradability:	The product is not expected to be readily biodegradable

### 13. DISPOSAL CONSIDERATIONS

Waste Product Residues:	Dilute with water
Waste from contaminated packaging:	Dispose in accordance with all federal, provincial/ or local regulations apply.

### 14. TRANSPORT INFORMATION

Dot Classification:	Corrosive
Special Provisions for Transportation:	Not Available

### 15. REGULATORY INFORMATION

Classification:	
Hazardous Symbol:	Not Applicable
	This product is not classified as hazardous
U.S. EPA Registered:	No
U.S. EPA Hazardous Air Pollutant	Not Listed



## 16. PRESENTATION

Di-9712 CO is available from 5, 55 gallon drums to 265 gallon IBC totes.

\*Special prices in bulk quantities.

### Note.

The information in the Material Safety Data Sheet (MSDS) should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. Reasonable care has been taken in the preparation of this MSDS. The information in this MSDS is provided in good faith, based on experience using the product. However, no warranty is made as to the accuracy of and/or sufficiency of such information and/or suggestions or as to the product's merchantability or adequacy for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. Buyer must determine for himself, by preliminary tests or otherwise, the suitability of this product for his purposes, including mixing with other products. There is no liability for the misuse of company product.

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