



MATERIAL SAFETY DATA SHEET
DIFLOMEX 2000
(Sulfonated Polyacrylic Acid Copolymer)

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Trade Name: **DIFLOMEX 2000**

Chemical Name: Sulfonated polyacrylic acid copolymer

Chemical Formula: $(C_7H_{13}NO_4S)_x(C_3H_4O_2)_y$

Product type and use: Anionic polymer/ Inhibits incrustation, and helps control of tricalcium phosphate deposits; stabilizes metal ions such as iron and zinc, and disperses iron oxides. It is also used as a flocculant for mineral sludge, and inhibits the attack of the steel sulfide ion.

Company: **LGA Chemical Solutions, Inc.**
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San Antonio, TX 78240
Email: info@lgachemsol.com

2. HAZARDOUS IDENTIFICATION

APPEARANCE AND ODOR

Color: Colorless or light yellow
Appearance: Viscous liquid

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 mild irritation
Ingestion:	May be slightly toxic

Effects of a multiple overexposures by:

No data available on multiple overexposures

3. COMPOSITION INFORMATION ON INGREDIENTS

	CAS No.	Concentration (%)
Sulfonated Polyacrylic Acid Copolymer	40623-75-4	38 - 43
Others		57 - 62

4. HANDLING AND SAFETY

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

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:	Leak and Spills- Use sand or absorbing earth in contaminated areas, any remaining can be rinse with water.
- 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 cool and 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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Colorless or light yellow
Appearance:	Viscous
Density g/cm ³ :	1.18-1.25
pH:	3.5-4.5
Melting Point:	Not Available
Boiling Point:	>100°C
Vapor Density (air=1):	Not Available
Solubility in water:	Soluble
Specific Gravity:	1.18-1.25
Percent Volatile (volume):	Not Applicable
Vapor Pressure (mm. Hg):	Not Applicable
Evaporation rate(water=1):	Not Applicable
Flash Point:	Not flammable
Molecular Weight (Mw)	980

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 Available
Teratogenicity:	Not Reported
Mutagenicity:	Not Reported

12. LOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

Leaks and Spills: Absorb spills with sand or absorbing earth. Place generated waste in containers, and sealed them properly. Wash any remaining with water, and dispose in accordance with all federal, provincial or local regulations.

Waste from contaminated packaging: Dispose in accordance with all federal, provincial or local regulations.

14. TRANSPORT INFORMATION



Dot Classification: Not Available
Hazard Class Number and Description: Not Available
Special Provisions for Transportation: Not Available

15. REGULATORY INFORMATION

Classification

Hazardous Symbol: This product is not classified as hazardous
U.S. EPA Registered: Not Available
U.S. EPA Hazardous Air Pollutant: Not Available

16. PRESENTATION

Di-2000 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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