



## MATERIAL SAFETY DATA SHEET

**Df-425**

### DEFOAMER FOR THE PRODUCTION OF PHOSPHORIC ACID and PHOSPHATE FERTILIZERS (MAP, DAP and SPP)

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

Trade Name: **Df-425**

Chemical Name:

Chemical Formula:

Product type and use: Surfactants/ Mixture of anionic tensioactive agents, and additives to inhibit foam formation when manufacturing phosphoric acid by wet process.

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: Dark amber to brown

Physical State: Liquid

##### STATEMENTS OF HAZARD

Effects of a single overexposure by:



Inhalation:	This product does not release vapors at room temperature, only at temperatures near the boiling point (90 ° C). If vapors are presents, these can irritate the respiratory tract and cause headaches.
Skin contact:	May cause slight irritation.
Contact with eyes:	May cause irritation
Ingestion:	This product exhibits low oral toxicity. May cause discomfort or slight gastrointestinal disturbances

**Effects of a multiple overexposures by:**

No data available on multiple overexposures

**3. COMPOSITION INFORMATION ON INGREDIENTS**

Hazardous Ingredients:	No Applicable
% of Tensioactive and dispersants	100%

**4. HANDLING AND SAFETY**

Inhalation:	If inhaled stay away from the contaminated area and breathe fresh air. Provide oxygen if necessary.
Skin contact:	Remove contaminated clothing and shoes. Wash the contaminated skin with soap and rinse with running water for at least 15 minutes.
Contact with eyes:	Rinse with plenty of running water for 15 minutes. SEEK MEDICAL ATTENTION.
Ingestion:	Rinse mouth with running water, and then drink potable 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 and self-contained breathing apparatus in closed areas.

## 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 MATERIALS
- On ground:	Absorb Leak and Spills- Use sand, vermiculite, absorbent clay or diatomaceous earth in contaminated areas.
- 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. Avoid skin and eye contact. Wear appropriate protective clothing
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Store: Keep containers tightly closed when not in use. Do not store near strong oxidizing materials.

## 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: Standard protective clothing.
- Gloves: Neoprene or plastic gloves.

Safety Station Have equipment for eye rinsing and safety/quick-drench shower, and washing facilities in work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Dark amber to brown
Odor	Characteristic
Density g/cm <sup>3</sup> (at 30°C):	0.88± 0.05
pH (sol. 5%)	4.5± 0.5
Boiling Point:	>90°C
Vapor Density (air=1):	Not Available
Solubility in water:	Soluble
Percent Volatile (volume):	Not Applicable



Vapor Pressure (mm. Hg): Not Applicable

Flash Point: Not flammable

## 10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of temperature and pressure

Conditions to avoid: Avoid exposure to extreme temperatures

Materials to avoid: Oxidizing agents, strong acids

Hazardous decomposition or combustion: Carbon monoxide and Carbon dioxide

Polymerization Will not occur

## 11. TOXICOLOGICAL INFORMATION

Irritancy: Irritant in prolonged exposure

Animal Toxicity Data: Not Applicable

Carcinogenicity: Not carcinogenic

Teratogenicity: Not Available

Mutagenicity: Not Available

## 12. LOGICAL INFORMATION

Environmental Effects: Not Available

Toxic Irritation limit: Not Available

Algae: Not Available

Protozoa: Not Available

Teratogenicity: Not Available

Mutagenicity: Not Reported



**13. DISPOSAL CONSIDERATIONS**

Leaks and Spills:	Absorb spills with sand, vermiculite, absorbent clay or diatomaceous 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:	Adjuvant, sprayable product
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**

Df-425 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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