



MATERIAL SAFETY DATA SHEET

Df-1010

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

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION

Trade Name: **Df-1010**

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

2. HAZARDOUS IDENTIFICATION

APPEARANCE AND ODOR

Color: Yellow to amber

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

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:	Yellow to amber
Odor	Characteristic
Density g/cm ³ (at 30°C):	1.010-1.060
pH (sol. 5%)	6-7
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
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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-1010 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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