

EU MATERIAL SAFETY DATA SHEET

(EG) 1907/2006

Version 01.2011

LithoFoam MRF 2000-S Page 1/4

1. Substance, Composition and Company Information

Identification of the substance: sugar polymer with incorporated molecular inorganic silicate active elements

Trade Name: **LithoFoam MRF 2000-S** (custom tariff code: 38249097)

Company: **Dr. Lucà & Partner Ingenieurkontor GmbH**

Telefon: **+49/030/457989680**

Fax: **+49/030/457989689**

Email: **info@dr-luca.com**

2. Composition/Components Information

glucose polymer

INDEX-No.: not applicable

Hazardous impurities: not applicable

3. Possible Hazards

The product is not classified as dangerous according to Directive 67/548/EEC, Directive 1999/45/EC and Regulation 1272/2008 (CLP).

3.1 Additional hazards to humans and the environment

- Adverse physicochemical effects: dust explosion
- Potential adverse effects to humans and symptoms: not applicable
- Potential adverse effects on the environment: not applicable
- Other Hazards: Product is combustible

4. First Aid Measures

General information

The product is not classified as dangerous. Through the dust of this product a mechanical irritation of the upper respiratory mucosa and of the eyes mucosa can be caused.

Inhalation: provide fresh air

After skin contact: not applicable

After eye contact: rinse carefully and thoroughly with eye wash or water

Ingestion/After swallowing: not applicable

Self-protection of first aid: not applicable

5. Measures against Fire

Extinguishing Media: water fog, CO₂, foam, dry chemical

Inappropriate extinguishing media: not applicable

Special hazards from the substance

or preparation itself, combustion products

or resulting gases:

airborne dust can cause a dust explosion.

In the combustion flue gases:

carbon monoxide and carbon dioxide.

Special protective equipment

for fire-fighters:

wear self-contained breathing apparatus.



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Managing Director: Dr. rer. oec. Marcello H. M. Lucà

HR 45942 Amtsgericht Berlin Charlottenburg • Ust.-Ident.-Nr.: DE155530778 • Steuer-Nr. 29/507/03677

Bankers: Deutsche Bank AG, Privat- und Geschäftskunden AG, Investment & FinanzCenter, 10883 Berlin, Germany,

Local account no. 1906064 00, Local bank code: 100 700 24 • IBAN: DE48 1007 0024 0190 6064 00 • SWIFT-BIC: DEUTDE33HAN



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LithoFoam MRF 2000-S Page 2/4

6. Measures against Accidental Exposure

Personal precautions:	in the presence of vapor, dust and aerosols a respiratory protection should be used.
Environmental protection measures:	no special environmental precautions required.
Methods for cleaning up:	collect mechanically. Avoid generating dust.

7. Handling and Storage

Information for safe handling:	avoid dust in case of open handling
Precautions:	In case of open handling devices with local exhaust ventilation shall be used. It is recommended to organize all working process to avoid the following is excluded: Inhalation of dusts / particulates.
Technical measures:	procedures to prevent aerosol and dust formation: When filling, decanting, dosing and sampling following aspects have to be respected: use devices with local exhaust ventilation. Dust should be extracted directly at source.
Measures for environmental protection:	not required.
Specific requirements or regulations:	dust deposits that cannot be avoided must be regularly removed. Proven industrial vacuum cleaners or exhaust ventilation for hazardous use. Drain cleaning purposes is not allowed.
Precautions against fire and explosion:	the product is flammable, explosive dust-dust explosion class: ST 1 Fire extinguishing equipment must be available. Keep away from heat sources (for example hot surfaces), sparks and open flames.
Storage	
Technical measures and storage conditions:	store material if possible in the original container dry.
Packaging materials:	no special requirements.
Requirements for storage rooms and containers:	no special requirements.
Storage:	not applicable.
Further information about storage conditions:	protect against moisture. Storage temperature: no requirements. Relative Humidity: No requirements. Storage stability: at least 5 years. Maximum storage time: no limit. Storage class: 10-13.

8. Exposure Limits and Personal, Protective Clothing and Equipment

General dust limit: long-term:	3mg / m ³ A, 10mg / m ³ E; STEL: 2 (II) (Source: Technical Rule 900)
Biological limit values:	no information available.
Product-related measures to prevent exposure:	not applicable
Instructive measures to prevent exposure:	not applicable
Organizational measures to prevent exposure:	not applicable





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Version 01.2011

LithoFoam MRF 2000-S Page 3/4

Technical measures to prevent exposure:

If possible, use closed systems. Appropriate exhaust ventilation.

Personal protective equipment:

Respiratory protection is required for: dust. Appropriate respiratory protection: filtering half masks (EN 149) P1 or P2. The gestation period for GefStoffV limitations in connection with the rules for the use of respiratory protective devices (BGR 190) are observed. Eye Protection: Wear dust goggles.

Work hygiene: avoid contact with skin and eyes. Wash hands before breaks and on when finishing work. Do not eat or drink while working. Keep product away from food and beverages.

9. Physical and chemical properties

Form:	fibrous
Colour:	white
Odour:	none
Melting point/- range (°C):	not applicable
Boiling point/- range (°C):	not applicable
Flashpoint (°C):	not applicable
Ignition temperature (°C):	about 500 Godbert-Greenwald
Steam pressure (20°C):	not applicable
Density [g/ml]:	0.10-0.30 g/ml
Water solubility (20°C in g/l):	insoluble
Dust explosion hazard:	dust explosion
Explosion limits (g / m ³)	
Lower:	30
Upper:	11000

10. Stability and Reactive Properties

Conditions to avoid:	temperatures above 200 °C, open sources of ignition
Hazardous decomposition products:	combustion gases: carbon monoxide and carbon dioxide

11. Toxicological Data

Skin:	not applicable
Eyes:	not applicable

12. Ecological Data

Known or predicted distribution to environmental compartments: surface tension: not applicable; adsorption / desorption: not applicable

No harmful effects. No other ecological information.
The product is not hazardous for water.

13. Disposal

Product: in compliance with official, local regulations.



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LithoFoam MRF 2000-S Page 4/4

14. Transportation

Non-hazardous good. No indication of class, classification code, UN-No., Packaging group, warning sign, tunnel restriction code, special regulations are necessary.

15. Regulations

EU regulations:

Chemical Safety Assessment:

This substance was not carried out a chemical safety assessment.

Marking (regulation EC No. 1272/2008):

not classified.

Certain risk components of labeling:

not applicable.

Signal word:

not applicable.

Hazard pictograms:

not applicable.

Danger:

not applicable.

Safety:

P210 "keep away from heat, sparks, open flames and hot surfaces."

P241 "Use explosion-proof electrical equipment."

P280 "Wear protective gloves and eye protection."

Directive 94/9/EC, Directive 1999/92/EC

Other EU regulations:

National regulations (Germany):

Technical Instructions on Air Quality (TA):

emissions, which are contained in the exhaust should not exceed the following values:

Mass flow: 0.10 kg / h

or

Mass concentration: 20 mg / m³

Other regulations, restrictions and prohibitions: Technical Rule 500 "safeguard measures", Technical Rule 515 "Storage of supporting combustion substances in packages and portable tanks," BGR 130 "rules for the use of respiratory protective devices," BG Rule 189 (ZH 1 / 700): "Use of protective clothing, Technical Rule 900" Occupational exposure limits "

16. Further Information

This information applies to the product **LithoFoam MRF 2000-S**.

It does not constitute a properties guarantee and does not apply to any subsequent products possibly deriving therefrom.



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