Safety Data Sheet - USLPore® MRF 2000

Vers. 04.2024

Section 1: Identification of the substance/mixture and of the company

1.1. Product identifier

- **Product name:** USLPore® MRF 2000
- **Use of the product:**

Stabiliser for USLPore® foamed concrete applications

- **Identification of the substance**

Sugar polymer with molecular integrated inorganic silicate-active elements

- **Uses advised against**:

No information available

1.2. Relevant identified uses of the substance or mixture and uses advised against

for industrial use only.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

USLPore Europe GmbH
Goerzallee 309
14167 Berlin
Germany

1.4. Emergency contact: info@uslpore.com

Section 2: Hazards identification

2.1. Classification oft the substance or mixture

- **Classification according to Regulation (EC) nr. 1272/2008**

This product does not meet the criteria for classification as hazardous as defined in the Regulation EC 1272/2008

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

- **Classification according to Directive 67/548/EEC or 1999/45/EC:**

This product does not meet the criteria for classification as hazardous as defined in the Directive 67/548/EWG or 1999/45/EG

2.2. Label elements

- **Hazard Pictograms:** no hazard pictograms necessery.
- **Signal word:** not applicable
- **Hazard statements:** No hazard statements
- **Precautionary statements:**

P210 - Keep away from heat/sparks/open flames/hot surfaces – No smoking.

P261 - Avoid breathing dust.

P280 - Wear eye protection.

P304+P341 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P374 - Fight fire with normal precautions from a reasonable distance.

2.3. Other hazards

- **Possible harmful physico-chemical effects:**

The product dust may cause a mechanical irritation of the upper respiratory mucous membranes and eyes mucous membranes.

- **Other Hazards:**

The substance is flammable. Dust explosion possible.

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

Section 3: Compositions/information on ingredients

3.1. Substances

No hazardous substances.

Section 4: First aid measurements

4.1. Description of first aid measures

1. **General Information:** The product is classified as non-hazardous. The dust may cause a mechanical irritation of the upper respiratory mucous membranes and eyes mucous membranes.
2. **Inhalation:** ensure fresh air.
3. **Skin Contact:** not applicable.
4. **Eye contact:** wash in and around the eye area with large amounts of water for at least 15 minutes. Eyelids to be held apart.
5. **Ingestion:** Rinse mouth with water.

4.2. Most important symptoms and effects, both acute and delayed

No further information available

4.3. Indication of any immediate medical attention and special treatment needed

No further information available

Section 5: Firefighting measures

5.1. Suitable extinguishing agents:

Water fog, CO_2, foam, dry chemical.

5.2. Special hazards arising from the substance or mixture:

The product is flammable. Dust explosion is possible. Dust explosion class: ST1. Fire

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

extinguishing equipment must be provided. Keep away from heat, sparks, open flames, hot surfaces.
In case of fire, the following can be released: Carbon monooxide and carbon dioxide.

5.3. Advice for firefighters

It is recommended to wear self-contained breathing apparatus.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

In the presence of dust a breathing apparatus should be used to avoid inhalation of**.**

6.2 Environmental precautions:

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up:

Pick up mechanically. Avoid generation of dusts.

6.4. Reference to other sections:

No release of hazardous substances.

Section 7: Handling and storage

7.1. Precautions for safe handling

- In case of open handling:

Avoid generation of dusts in case of open handling. 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.

- **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. Dust deposits that cannot be avoided must be regularly removed. Proven industrial vacuum cleaners or exhaust ventilation for hazardous use. Drain cleaning purposes is

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

not allowed.

7.2. Conditions for safe storage, including any incompatibilities

- **Requirements for storage rooms and containers:** store material if possible in the original container dry.
- **Advice on storage compatibility:** no special requirements
- **Further informations about storage conditions:**
  protect against moisture.
  Storage temperature: no requirements.
  Relative Humidity: No requirements.
  Storage stability: Maximum storage time: 1 year. Storage class: 11.

Color changes during storage does not impair the effect of the product.

7.3. Specific end use(s) No further information available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

- **General dust limit (long-term):**
  3mg / m³ A, 10mg / m³ E; STEL: 2 (II) (Source: Technical Rule 900)
- **Technical measures to prevent exposure:** If possible, use closed systems. Appropriate exhaust ventilation. Keep containers closed when not in use.
- **Product-related measures to prevent exposure:** not applicable

8.2. Exposure controls:

- **General safety and hygiene measures:**

It is recommended to wear eye protection (protective goggles).

- **Hygiene:**

Avoid contact with skin and eyes. 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.

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical State:** fibrous
- **Color:** white
- **Odor:** odorless
- **Density (g/ml):** 0.10 – 0.30
- **pH:** not applicable
- **Melting point:** not applicable
- **Flash point:** not applicable
- **Electrolytic conductivity:** not applicable
- **Dust explosion hazard:** dust explosion possible
- **Explosion limits (g / m³)**
  - **Lower:** 30
  - **Upper:** 11000
- **Solubility (20 °C in g/l):** insoluble
- **Ignition point (°C):** about 500 Godbert-Greenwald

9.2 Other information: No further information available.

Section 10: Stability and reactivity

10.1. Reactivity: Stable under recommended conditions.

10.2. Chemical stability:

Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3. Possibility of hazardous reactions: Will not occur

10.4. Conditions to avoid: temperatures above 200 °C, open sources of ignition

10.5. Incompatible materials: No further information available.

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

10.6. Hazardous decomposition products: combustion gases: carbon monoxide and carbon dioxide..

Section 11: Toxicological information

11.1. Information on toxicological effects

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

- **Skin contact:** not applicable.
- **Eye contact:** not applicable.
- **Ingestion:** not applicable.
- **Inhalation:** massive inhalation of dust may cause a respiratory tracts irritation.
- **Sensitization:** no sensitizing effect known.

Section 12: Ecological information

12.1. Toxicity:

No harmful effects. The product is not hazardous for water. Surface tension: not applicable; adsorption/desorption: not applicable.

12.2. Persistence and degradability:

the product is not readily biodegradable.

12.3. Bioaccumulative potential:

not applicable

12.4. Mobility in soil:

not applicable

12.5. Results of PBT and vPvB assessment:

This substance contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of. 0.1% or higher

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

12.6. Other adverse effects: no harmful effects.

Section 13: Disposal considerations

13.1. Waste treatment methods: Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14: Transport information

14.1. UN-Number: not applicable

14.2. UN proper shipping name: not applicable

14.3. Transport hazard class(es): not applicable

14.4. Packing group: not applicable

14.5. Environmental hazards: No environmental hazards

14.6. Special precautions for user: no special precautions necessary

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- **National regulations: General Classification Guideline for Preparations of the EC (BetrSichV):**
  not applicable
  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 / m^3.

- **Water hazard class:** no water hazard

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com

- **Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants:** not applicable
- **Directive 2012/18/EU of the European Parliament and of the Council of 4 July 2012 on the control of major-accident hazards involving dangerous substances:** not applicable
- **Hazardous ingredients for labeling:** not applicable.
- **Other regulations:** 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 ".

Section 16: Further information

This information applies to the product USLPore® MRF 2000.
It does not constitute a properties guarantee and does not apply to any subsequent products possibly derivating therefrom.

USLPore Europe GmbH · Goerzallee 309 · D-14167 Berlin · Germany
Telephone: +49 30 233 211 49 - 0 · Email: info@uslpore.com · Internet: http://www.uslpore.com