



## SAFETY DATA SHEET

Product: LithoFoam® SPO

Version: 01/2019

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

#### 1.1. Product identifier

- **Product name: LithoFoam® SPO**
- **Use of the product:**  
Hydrophobicity and stabilizing agent

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

for industrial use only.

- **Uses advised against:** No information available

#### 1.3. Details of the supplier of the safety data sheet

- **Manufacturer:**  
Luca Industries International GmbH  
Phone: +49 30 457989680  
Fax: +49 30 457989689  
Email: [info@luca-industries.com](mailto:info@luca-industries.com)

#### 1.4. Emergency telephone number: +49 30 457989680 (during normal business hours)

### Section 2: Hazards Identification

#### 2.1. Classification of 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
- **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/EEC or 1999/45/EC

#### 2.2. Label elements

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

#### 2.3. Other hazards

**Possible harmful physico-chemical effects:** No further information available



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### Section 3: Compositions/information on ingredients

#### 3.1. Substances

Polydimethylsiloxane

#### 3.2. Mixtures

Not applicable

### Section 4: First aid measures

#### 4.1. Description of first aid measures

- **Inhalation:** not applicable
- **Skin Contact:** wash skin and hair thoroughly with running water and soap.
- **Eye Contact:** wash in and around the eye area with large amounts of water. Seek medical advice in case of continuous irritation.
- **Ingestion:** Give several small portions of water to drink. Do not induce vomiting.

#### 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 informations available

### Section 5: Firefighting measures

#### 5.1. Suitable extinguishing agents:

Water mist, alcohol-resistant foam, extinguishing powder, carbon dioxide, sand.

**Extinguishing media which must not be used for safety reasons:** water jet

#### 5.2. Special hazards arising from the substance or mixture:

Risk of hazardous gases or fumes in the event of fire! Exposure to combustion products may be a health hazard.

**Hazardous combustion products:** toxic and very toxic fumes

#### 5.3. Advice for firefighters

It is necessary to use respiratory protection independent of recirculated air. Keep unprotected persons away.



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### Section 6: Accidental release measure

#### 6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment (see section 8). Keep unprotected persons away. If material is released, indicate risk of slipping. Do not walk through spilled material.

**6.2. Environmental precautions:** Prevent the product from entering surface waters, drains or sewers and soil. Retain contaminated water/extinguishing water. Dispose of in prescribed marked containers. If product leaked into waters, sewerage or ground, inform authorities.

#### 6.3. Methods and material for containment and cleaning up:

Take up mechanically and dispose of according to local/state/federal regulations. Do not flush away with water. Small amounts can be absorbed with a neutral liquid binding material such as diatomaceous earth and dispose of according to government regulations.

Large amounts of the product can be recovered using suction devices or pumps.

Clean any slippery coating that remains using a detergent/ soap solution or another biodegradable cleaner.

Spills are slippery and pose a safety hazard. Apply sand or other inert granular material to improve traction.

**6.4. Reference to other sections:** Section 8 (personal protective equipment), section 13 (disposal).

### Section 7: Handling and storage

#### 7.1. Precautions for safe handling

No special protective measures required.

Environmental precautions: do not empty into drains.

#### 7.2. Conditions for safe storage, including any incompatibilities

- **Requirements for storage rooms and containers:** Store in a cool, dry place and out of direct sunlight. Keep containers closed.
- **Advice on storage compatibility:** no special requirements
- **Further informations about storage conditions:**  
Protect against moisture, heat and direct sunlight.  
**Recommended storage temperature:** 5-25°C.  
**Maximum temperature allowed during storage and transportation:** 50°C.  
**Storage stability:** in case of intended storage in compliance with instructions over 1 year storable.

**7.3. Specific end use(s)** No further informations available.

### Section 8: Exposure controls/personal protection

#### 8.1. Control parameters

- **Workplace Exposure Limit:** No exposure limits have been published for this product.



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- **Technical measures to prevent exposure:** Keep containers closed when not in use.

### 8.2. Exposure controls:

- **General safety and hygiene measures:**

Consider standard industrial hygiene practices for the handling of chemical substances

- **Hygiene:** Avoid contact with skin and eyes. Keep the material away from food and drink. Wash contaminated clothing and other protective equipment before storage or re-use.

- **Personal protection equipment:**

Use of protective goggles and protective gloves is recommended when handling the material.

Recommended glove types:

Protective gloves made of nitrile rubber

Thickness of the material: > 0,1 mm

Breakthrough time: > 480 min

Protective gloves made of butyl rubber

thickness of the material: > 0,3 mm

Breakthrough time: > 480 min

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

- Appearance: liquid
- Odour: odourless
- Odor treshold: not available
- pH: 7 (10 g/litre, cold)
- Melting point/freezing point: not applicable
- Initial boiling point and boiling range: not determinable
- Flashpoint: > 320°C
- Flammability: not flammable
- Upper/lower flammability: not applicable
- Vapor pressure: not available
- Vapor density: not available
- Relative density (g/ml): 1.10-1.40 (20°C/68°F)
- Solubility: insoluble at 20°C
- Partition coefficient (n-octanol/water): not available
- Auto-ignition temperature: not combustible
- Decomposition temperature: > 250°C
- Ignition point (°C): approx. 450°C
- Explosive properties: not explosive
- Relative density: approx.. 0,97 g/cm<sup>3</sup> (25°C)

9.2. Other information: No further informations available.



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### 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:** No further informations available

**10.4. Conditions to avoid:** No further informations available

**10.5. Incompatible materials:** No further informations available.

**10.6. Hazardous decomposition products:** If stored and handled properly, none known.

Formations of small amounts formaldehyde at temperatures above about 150°C through oxidation.

### 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.

- **Acute toxicity:**
  - Oral: LD<sub>50</sub>: > 5000 mg/kg (rat)
  - Dermal: LD<sub>50</sub>: > 2008 mg/kg (rat)
- **Skin corrosion/irritation:** not irritating.
- **Serious eye damage/eye irritation:** not irritating.
- **Respiratory or skin sensitization:** not sensitizing.
- **Germ cell mutagenicity:** The product is not mutagenic or genotoxic.
- **Carcinogenicity:** This product is not considered to be a carcinogen.
- **Reproductive toxicity:** This product is not expected to cause reproductive or developmental effects.
- **Specific target organ toxicity single exposure:** Not classified.
- **Specific target organ toxicity repeated exposure:** Not classified.
- **Aspiration hazard:** Not an aspiration hazard.



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### Section 12: Ecological information

**12.1. Toxicity:** based on available data no effects on aquatic organisms that are relevant for classification must be expected for the product up to its limits of water solubility. According to current knowledge adverse effects on water purification plants are not expected.

**12.2. Persistence and degradability:** biologically not degradable. Elimination by adsorption to activated sludge.

Polymethylsiloxanes are degradable to a certain extent on abiotic processes.

**12.3. Bioaccumulative potential:** Not bioaccumulative

**12.4. Mobility in soil:** Insoluble in water. Adsorbs in soil.

**12.5. Results of PBT and vPvB assessment:**

This substance/mixture 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

**12.6. Other adverse effects:** no harmful effects known.

### Section 13: Disposal considerations

**13.1. Waste treatment methods:** Refer to Waste Management Authority. Dispose of contents/container in accordance with local/regional/national/international regulations.

Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

### 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**



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- **National regulations: General Classification Guideline for Preparations of the EC (BetrSichV):**  
not applicable
- **Water hazard class:** WGK 1 (Low water hazard)
- **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
- **European Economic Area (EEA): REACH (Regulation (EC) No 1907/2006):**  
General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.
- **People's Republic of China: IECSC (Inventory of Existing Chemical Substances in China):** This product is listed in, or complies with, the substance inventory.
- **USA: TSCA (Toxic Substance Control Act Chemical Substance Inventory):** All components of this product are listed as active or are in compliance with the substance inventory.
- **Hazardous ingredients for labeling:** not applicable.

### Section 16: Further information

This information applies to the product **LithoFoam® SPO**.

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