



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

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

1.1. Product identifier

- **Product name: LithoFoam® NWF S**
- **Use of the product:**
Networkformer for LithoPore® foamed concrete applications

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@dr-luca.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 Directive (EC) nr. 1272/2008**

Hazard Class	Hazard Category	Safety note
Acute Oral Toxicity	Category 4	H302: Harmful if swallowed Large amounts can cause nausea, vomiting, diarrhea, abdominal pain
Primary Eye Irritation	Category 2	H319: Causes serious eye irritation
Corrosive to metals	Category 2	H290: May be corrosive to metals.

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

Hazard Category	Hazard Category
Harmful (Xn)	R20/21: Harmful in contact with skin and if swallowed



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

2.2. Label elements

- **Hazard Pictograms:**



- **Signal word:** Warning

- **Hazard statements:**

H302: Harmful if swallowed

H319: Causes serious eye irritation

H290: May be corrosive to metals

- **Precautionary statements:**

P280 - Wear protective gloves, protective clothing, eye protection

P301+P311+P330+331– IF SWALLOWED: Call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

P303+P362+P353 – IF ON SKIN: Take off contaminated clothing and wash before reuse. Rinse skin with water/shower.

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

P337+P313 – If eye irritation persists: get medical advice/attention

2.3. Other hazards

No further informations available

Section 3: Compositions/information on ingredients

3.1. Substances

3.2. Mixture

Inorganic salts

Stabilizers

Water

Section 4: First aid measures

4.1. Description of first aid measures

- **Inhalation:** If inhaled, remove to fresh air. If victim has stopped breathing: administer CPR (cardio-pulmonary resuscitation). Immediate medical attention is required.



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

- **Skin Contact:** remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
- **Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required if irritation persists after washing
- **Ingestion:** Do NOT induce vomiting. Rinse mouth with water. In case of complaints seek medical help.

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

Skin Contact: swelling, redness, blistering or irritation

Eye Contact: pain, redness, tears

Ingestion: pain in the mouth , throat and stomach , nausea

Long-term inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Long-term Skin contact may aggravate existing skin disease.

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:

Not combustible. Not combustible. - Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture:

Harmful, suffocating or toxic vapors are released.

5.3. Advice for firefighters

Fire fighters are required to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Section 6: Accidental release measure

6.1. Personal precautions, protective equipment and emergency procedures:

Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact.

6.2. Environmental precautions: Do not let product enter drains.

6.3. Methods and material for containment and cleaning up:



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Wash off with plenty of water. Ensure adequate ventilation. Dispose of contaminated material as waste according to item 13.

6.4. Reference to other sections: 7. HANDLING AND STORAGE,
8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Section 7: Handling and storage

7.1. Precautions for safe handling

Wear protective equipment to prevent skin and eye contact. Do not breathe vapors/dust. Do not get in eyes. Avoid any direct contact with the product. Keep container closed when not in use.

7.2. Conditions for safe storage, including any incompatibilities

- **Requirements for storage rooms and containers:** Store in a cool, dry, well ventilated place and out of direct sunlight. Keep the container closed.
- **Advice on storage compatibility:** no special requirements
- **Weitere Angaben zu den Lagerbedingungen:**
Keep containers closed. Protect against heat.
Recommended storage temperature: -15 - 25°C
Storage stability: in case of intended storage in compliance with instructions 1 year storable.
Storage class: 12.

Color changes during storage do not affect the effectiveness of the product.

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

Section 8: Exposure controls/personal protection

8.1. Control parameters

- **Workplace Exposure Limit:** threshold limit value: 2 mg/m³ (according to National Institute for Occupational Safety and Health)
- **Technical measures to prevent exposure:**
Under normal conditions, in the absence of other airborne contaminants, an approved protective equipment should provide protection from this product. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Keep containers closed and protect against heat.

8.2. Exposure controls:

- **General safety and hygiene measures:**
Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts.
- **Hygiene:** Keep the material away from food and drink. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance: liquid, light red
- Odour: odourless
- Odor treshold: not available
- pH: 3.5 – 4.5 (10 g/litre, cold)
- Melting point/freezing point: not applicable
- Initial boiling point and boiling range: not available
- Flashpoint: not flammable
- Flammability: not flammable
- Upper/lower flammability or explosive limits: not applicable
- Vapor pressure: 23 hPa (20°C/68°F)
- Vapor density: not available
- Relative density (g/ml): 1.20 – 1.35 (20°C/68°F)
- Solubility (20 °C in g/l): soluble
- Partition coefficient (n-octanol/water): not available
- Auto-ignition temperature: not combustible
- Decomposition temperature: not available
- Viscosity: not available
- Ignition point (°C): not-combustible
- Explosive properties: not explosive
- Oxidizing properties: not available

9.2. **Other information:** No further informations available.

Section 10: Stability and reactivity

10.1. **Reactivity:** lowering of the pH-value in the area of application.

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 dangerous reaction known under conditions of normal use

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

10.5. **Incompatible materials:**

Incompatible with strong bases. Incompatible with most metals.

10.6. **Hazardous decomposition products:** No further informations available



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

Section 11: Toxicological information

11.1. Information on toxicological effects

The substance or mixture is not classified as specific target organ toxicant. No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

- **Acute toxicity:** LD50 Oral Rate: 2000-5000 mg/kg (rat). Swallowing can result in burning pain of the mouth, throat and stomach. Large doses can cause headache, pain and twitching in muscles, and cramps.
- **Skin corrosion/irritation:** May be irritating to the skin after prolonged exposure, can cause corrosive injury.
- **Serious eye damage/irritation:** May cause serious eye damage.
- **Respiratory/skin sensitisation:** No sensitizing effect known.
- **germ cell mutagenicity:** None
- **carcinogenicity:** None
- **reproductive toxicity:** None
- **STOT-single exposure:** None
- **STOT-repeated exposure:** None
- **aspiration hazard:** None

Section 12: Ecological information

12.1. Toxicity:

Slightly hazardous for water (Water Hazard Class: 1)

12.2. Persistence and degradability: No impediment to the biodegradability of activated sludge in purification plants. >90% biodegradable (OECD: readily biodegradable)

12.3. Bioaccumulative potential: Not bioaccumulative

12.4. Mobility in soil: No further informations available

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: Avoid contaminating waterways.



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

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 Large quantities are returnable. No mixing with other waste.

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
- **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
- **Hazardous ingredients for labeling:** not applicable.
- **Substances of very high concern (SVHC):** This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of $\geq 0.1\%$ (w/w).

15.2. Chemical safety assesment

For this product a chemical safety assessment was not carried out.



SAFETY DATA SHEET

Product: LithoFoam® NWF S

Version: 03/2016

Section 16: Further informations

This information applies to the product LithoFoam® NWF S.

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