Lichenan polysaccharide

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: Lichenan polysaccharide
Product code: GLU600
Synonyms

REACH N°
This substance is exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline (under the provisions of Article 2 (7) (a) and Annex IV of REACH).

CAS-N°

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

Relevant identified uses: Laboratory reagent. Research and development.
Uses advised against: Not for human or animal use.

1.3. Details of the supplier of the safety data sheet

Company: Elicityl SA
Address: 746, avenue Ambroise Croizat
F-38920 Crolles – France
Telephone/Fax: +33 (0) 4 76 40 71 61 / +33 (0) 4 76 45 59 50
E-mail: contact@elicityl.fr

1.4. Emergency telephone number

Emergency phone #: +33 (0)1 45 42 59 59 (ORFILA)
+33 (0)1 45 42 59 59 (INRS)
+33 (0)9 75 18 14 07 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Physical hazards: Not classified
Health hazards: Not classified
Environmental hazards: Not classified
Additional information: Caution. Not fully tested.

2.2. Label elements

Hazard statement:
NC Not classified

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

Product name: Lichenan polysaccharide
Synonyms
Chemical formula
Molecular weight
CAS-N°

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Get medical attention if you feel unwell

If inhaled:
If breathed in, move person into fresh air. If not breathing, give artificial respiration. When breathing is difficult, properly trained personnel may assist affected person by administering artificial respiration. Get medical attention in case of symptons.

In case of skin contact:
Remove contaminated clothing. Rinse with water. Continue to rinse at least for 15 minutes. Wash contaminated clothing before reuse. Get medical attention in case of symptons.

In case of eye contact:
Flush eyes with plenty of water. Continue to rinse at least for 15 minutes. Get medical attention in case of symptons.

If swallowed:
Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention in case of symptons.
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4.2. Most important symptoms and effects, both acute and delayed

See Section 11 for additional information on health hazards.

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

No data available.

**SECTION 5: Firefighting measures**

5.1 Extinguishing media

**Suitable extinguishing media:**
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

**Specific hazards:**
None known

**Hazardous combustion products:**
Thermal decomposition or combustion products may include: Carbon oxides

5.3. Advice for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter’s clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents. Use protective equipment appropriate for surrounding materials.

5.4. Further information

No data available.

**SECTION 6: Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Remove persons to safety. Provide adequate ventilation. Use appropriate respiratory protection.

6.2. Environmental precautions

Avoid discharge into drains or watercourses or onto the grounds.

6.3. Methods and materials for containment and cleaning up

Wear protective clothing as described in Section 8. Sweep up and shovel. Keep in suitable, closed containers for disposal. For waste disposal, see Section 13

6.4. Reference to other sections

For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13

6.5. Additional information

Not available

**SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Provide adequate ventilation. Avoid generation and spreading of dust. Avoid contact with skin and eyes. Avoid inhalation of dust and vapours.

7.2. Conditions for safe storage, including any incompatibilities

Store at cool temperature. Store at temperatures not exceeding -20°C. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

**SECTION 8: Exposure controls/personal protection**

8.1. Control parameters

**Occupational exposure limits**
No exposure limits known for this product

8.2. Exposure controls

**Appropriate engineering controls**
Provide adequate ventilation. Observe any occupational exposure limits for the product

**Personal protective equipment**

**Eye/face protection**
Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Tight-fitting safety glasses. Personal protective equipment for eyes and face protection should comply with appropriate government standards such as NIOSH (US) or EN 166(EU).
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**Skin protection**
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection**
Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Respiratory protection**
Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is “CE”-marked. Particulate filter, type P1, use type N95 (US) or type P1 (EN 143) dust masks. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140

**Control of environmental exposure**
Keep container tightly sealed when not in use. Do not let product enter drains.

### SECTION 9: Physical and chemical properties

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance Form</td>
<td>White powder</td>
</tr>
<tr>
<td>Odour</td>
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</tr>
<tr>
<td>Odour Threshold</td>
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</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
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<tr>
<td>Initial boiling point and boiling range</td>
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</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
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</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
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</tr>
<tr>
<td>Vapour pressure</td>
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</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
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</tr>
<tr>
<td>Water solubility</td>
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</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
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</tr>
<tr>
<td>Auto-ignition temperature</td>
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<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Viscosity</td>
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<tr>
<td>Explosive properties</td>
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</tr>
<tr>
<td>Oxidizing properties</td>
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</tr>
</tbody>
</table>

#### 9.2. Other safety information
No data available

### SECTION 10: Stability and reactivity

**10.1. Reactivity**
No data available

**10.2. Chemical stability**
Stable under recommended storage conditions.

**10.3. Possibility of hazardous reactions**
No data available

**10.4. Conditions to avoid**
No data available

**10.5. Incompatible materials**
Strong oxidizing agents

**10.6. Hazardous decomposition products**
Hazardous decomposition products: Oxides of carbon
SECTION 11: Toxicological information

11.1. Acute oral toxicity
Data for mixture No data available
Sustances No data available

11.2. Acute skin toxicity
Data for mixture No data available
Sustances No data available

11.3. Acute inhalation toxicity
Data for mixture No data available
Sustances No data available

11.4. Skin corrosion
Data for mixture No data available
Sustances No data available

11.5. Eye damage
Data for mixture No data available
Sustances No data available

11.6. Skin sensitisation
Data for mixture No data available
Sustances No data available

11.7. STOT RE
Data for mixture No data available
Sustances No data available

11.8. STOT SE
Data for mixture No data available
Sustances No data available

11.9. Carcinogenicity
Data for mixture No data available
Sustances No data available

11.10. Reproductive and Developmental toxicity
Data for mixture No data available
Sustances No data available

General information
No specific health hazards known. Dust may irritate the eyes and the respiratory system. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
Dust may irritate the respiratory system. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

Ingestion
No specific symptoms known. May cause discomfort if swallowed.

Skin contact
Prolonged contact may cause dryness of the skin.

Eye contact
Dust may cause slight irritation.

Route of exposure
Ingestion Inhalation Skin and/or eye contact

Target organs
No specific target organs known

SECTION 12: Ecological information

Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1 Toxicity
No data available

12.2 Mobility
No data available

12.3 Persistence and degradability
No data available

12.4 Bioaccumulative potential
No data available

12.5 Results of PBT assessment
No data available

12.6 Other adverse effects
No data available
MATERIAL SAFETY DATA SHEET

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SECTION 13: Disposal considerations
Observe all local environmental regulations. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered.

14. TRANSPORT INFORMATION
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.1. UN number
No data available
14.2. UN proper shipping name
No data available
14.3. Transport hazard classe(es)
No data available
14.4. Packing group
No data available
14.5. Environmental hazards
Not applicable
14.6. Special precautions for user
Not applicable
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code
Not applicable
14.8. Additional information
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Not applicable

15.2. Chemical Safety Assessment
For this product, a chemical safety assessment has not been performed.

15.3. Additional information
Not applicable

Caution - substance not yet tested completely

SECTION 16: Other information

Creation date: 2019 11 28
Version date: 2019 11 28

16.1. Indication of changes
Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]
Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H341 Suspected of causing genetic defects.
H350 May cause cancer.
16.6. Training advice
Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

| The product is supplied solely for research purpose and for use in the laboratory by experienced and qualified personnel. They are not intended for human or animal consumption; in particular they are not for nutritional and drug use. |
| The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. |
| The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. |
| Elicityl SA shall not be held liable for any damage resulting from handling or from contact with the above product. |
| See reverse side of quotation and invoice for additional terms and conditions of sale. |