



The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued 14.09.2016

1.1. Product identifier

Product name Lyckeby CheeseApp 70
Chemical name Acetylated starch

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

Use of the substance/preparation Food additive.
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Company name Lyckeby Starch AB
Postal address Box 45
Postcode 290 34
City Fjälkinge
Country Sverige
Tel +46(0)44 28 61 00
Fax +46(0)44 28 64 79
E-mail eva.lundholm@lyckeby.com
Website <http://www.lycebystarch.com>
Contact person Eva Lundholm

1.4. Emergency telephone number

Emergency telephone Tel.:+46 730 433439

SECTION 2: Hazards identification

2.1. Classification of substance or mixture

Substance / mixture hazardous properties Not regarded as a health or environmental hazard under current legislation.

2.2. Label elements

Other Label Information No mandatory labelling.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

| Substance | Identification | Classification | Contents |
|--------------------|--|----------------|----------|
| Starch acetate | CAS no.: 9045-28-7 | | |
| Substance comments | See Section 16 for the full wording of the Hazard phrases in this section. Any existing hygienic exposure limits, should they exist, are indicated in Section 8. | | |

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|--------------|--|
| Inhalation | Fresh air. |
| Skin contact | Get medical attention if irritation persists after washing. |
| Eye contact | Rinse with water. Get medical attention if discomfort continues. |
| Ingestion | Rinse mouth with water. Get medical attention if any discomfort continues. |

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

| | |
|------------------------------|---|
| Acute symptoms and effects | Irritating to eyes and skin. |
| Delayed symptoms and effects | Extended skin contact can dehydrate the skin. |

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

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|-------------------|--------------------------|
| Other Information | No recommendation given. |
|-------------------|--------------------------|

SECTION 5: Firefighting measures**5.1. Extinguishing media**

| | |
|------------------------------|--|
| Suitable extinguishing media | Water spray, foam, dry powder or carbon dioxide. |
| Improper extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |

5.2. Special hazards arising from the substance or mixture

| | |
|----------------------------|-------------------------|
| Fire and explosion hazards | Risk of dust explosion. |
|----------------------------|-------------------------|

5.3. Advice for firefighters

| | |
|-------------------------------|--|
| Personal protective equipment | Chemical protective suit and fresh air mask are recommended. |
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|------------------|--|
| General measures | Observe the safety precautions listed in points 7 and 8 below. |
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6.2. Environmental precautions

| | |
|--------------------------------------|---|
| Environmental precautionary measures | Prevent discharge of large amounts of product to water recipients since it increases the BOD- and TOC-values. If the product is removed as dry it should be treated as organic waste for biogas or as combustible waste. See section 13. |
|--------------------------------------|---|

6.3. Methods and material for containment and cleaning up

| | |
|-----------------|---|
| Cleaning method | Sweep up and place into an appropriate container. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. |
|-----------------|---|

6.4. Reference to other sections

| | |
|--------------------|--|
| Other instructions | For personal protective equipment, see Section 8 and for other advice on waste management, see Section 13. |
|--------------------|--|

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

| | |
|----------|---|
| Handling | Avoid handling which leads to dust formation. |
|----------|---|

Protective Safety Measures

| | |
|--|---|
| Advice on general occupational hygiene | Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. |
|--|---|

7.2. Conditions for safe storage, including any incompatibilities

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|---------|---|
| Storage | Clean, dry at ambient temperature, away from odorous materials. |
|---------|---|

7.3. Specific end use(s)

| | |
|-----------------|--------------------------|
| Specific use(s) | No recommendation given. |
|-----------------|--------------------------|

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

| | |
|-----------------------------------|---|
| Other Information about threshold | Hygienic limit. Organic dust: NGV 5 mg/m ³ . |
|-----------------------------------|---|

limit values

8.2. Exposure controls

Limitation of exposure on workplace Avoid as far as possible dust handling procedures. Wash hands before meals and breaks. Good personal hygiene.

Respiratory protection

Respiratory protection Wear respirator if there is dust formation. Dust filter P2 (for fine dust).

Hand protection

Hand protection Use protective gloves.

Eye / face protection

Eye protection Use tight fitting goggles if dust is generated.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

| | |
|-----------------------|--|
| Physical state | Powder |
| Colour | White. |
| Odour | Neutral. |
| pH (aqueous solution) | Value: 5-7 Method of testing: 20% in suspension |
| Specific gravity | Value: ~ 700 kg/m ³ |
| Solubility in water | In water at 95 °C. |

9.2. Other information**Other physical and chemical properties**

| | |
|----------------------------------|--|
| Physical and chemical properties | Minimum ignition temperature: 450 °C Minimum ignition energy: 2000 mJ Minimum explosion concentration (MEC): 80 g/m ³ Maximum explosion pressure (Pmax): 9 bar KST value: 75 bar m/s Dust classification: St 1 |
| Comments | The values indicated do not always correspond to the product specification. Specific values are given in the technical documentation. |

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity No dangerous reactions under correct storage and handling procedures.

10.2. Chemical stability

Stability Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Risk of dust explosion.

10.4. Conditions to avoid

Conditions to avoid Avoid static electricity when handling dry product and use grounded equipment for the handling. Avoid dust close to ignition sources. Avoid dust close to ignition sources.

10.5. Incompatible materials

Materials to avoid No recommendation given.

10.6. Hazardous decomposition products

Hazardous decomposition products No recommendation given.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Other information regarding health hazards**

| | |
|---------|---------------------------------|
| General | The product is a Food additive. |
|---------|---------------------------------|

Potential acute effects

| | |
|--------------|--|
| Inhalation | Dust in high concentrations may irritate the respiratory system. |
| Skin contact | Prolonged or repeated contact leads to drying of skin. |
| Eye contact | Particles in the eyes may cause irritation and smarting. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------|--|
| Aquatic, comments | The product increases the BOD and TOC-values in the water recipient. |
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12.2. Persistence and degradability

| | |
|----------------------------|---|
| Comments, Biodegradability | The product meets the requirements for readily biodegradable product. |
|----------------------------|---|

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|---|---|
| Specify the appropriate methods of disposal | The disposal must follow national legislation and current environmental regulations. Emptied and cleaned packaging of plastic, metal or paper is taken care of by the material company or choosed contractor. |
| Product classified as hazardous waste | No |
| Packaging classified as hazardous waste | No |
| EWC waste code | EWC: 160306 organicwastes other than those mentioned in 16 03 05 |

SECTION 14: Transport information

14.1. UN number

| | |
|----------|----------------------|
| Comments | Not dangerous goods. |
|----------|----------------------|

14.2. UN proper shipping name

| | |
|----------|----------------------|
| Comments | Not dangerous goods. |
|----------|----------------------|

14.3. Transport hazard class(es)

| | |
|----------|----------------------|
| Comments | Not dangerous goods. |
|----------|----------------------|

14.4. Packing group

| | |
|----------|----------------------|
| Comments | Not dangerous goods. |
|----------|----------------------|

14.5. Environmental hazards

| | |
|----------|----------------------|
| Comments | Not dangerous goods. |
|----------|----------------------|

14.6. Special precautions for user

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|-------------------------------------|--------------------------|
| Special safety precautions for user | No recommendation given. |
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14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Additional information.

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|-------------------------|--------------------------|
| Additional information. | No recommendation given. |
|-------------------------|--------------------------|

SECTION 15: Regulatory information

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

| | |
|---------------|---|
| EEC-directive | Dangerous Substance Directive 67/548/EEC. |
|---------------|---|

| | |
|--|--|
| | Dangerous Preparations Directive 1999/45/EC. |
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15.2. Chemical safety assessment

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|--------------------------------------|----|
| Chemical safety assessment performed | No |
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SECTION 16: Other information

| | |
|--|---|
| Information which has been added, deleted or revised | An update of all sections due to new legislation. New system of MSDS. |
| Version | 1 |
| Responsible for safety data sheet | Lyckeby Starch AB |
| Prepared by | Ulla Gill |