

## MATERIAL SAFETY DATA SHEET

### ALL MILK POWDERS PRODUCTS INCLUDING PRONATIV

Exempt from MSDS under EEC rules

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

##### 1.1. Product identifier

**All milk powders, including ProNative**

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

Use of substance : **Food industry**

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

Supplier **Bacarel & Co Ltd**

Staarr House

Market Drayton

United Kingdom

Manufacturer **Lactalis Ingredients**

France

##### 1.4. Emergency telephone number

Emergency **in case of chemical emergency, contact local hospital**

#### Section 2: Hazards identification

##### 2.1. Classification of the substance or mixture

**Not classified as hazardous**

##### 2.2. Label elements

**Not available**

#### Section 3: Composition/information on ingredients

##### 3.1. Substances

Identity

**Milk powders and products thereof, including ProNative**

Allergen

**Contains milk and products thereof ( included lactose)**

**Can be allergenic for sensitive person**

#### Section 4: First aid measures

##### 4.1. Description of first aid measures

Skin contact

**Wash the affected area with water, remove contaminated clothing and launder before re-use. Seek medical advice if irritation develops or persists**

Eye contact

**Flush immediately with plenty of water for 15 minutes and seek medical service**

Ingestion :

**Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt, or waistband**

Inhalation

**remove from exposure, move to fresh air and seek medical advice immediately**

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

**not applicable**

#### Section 5: Fire-fighting measures

##### 5.1. Flammability

**May be combustible at high temperature**

##### 5.2. Auto-Ignition temperature

**Not available**

##### 5.3. Advice for fire-fighters

**Fire : Water spray. Carbon dioxide, dry chemical powder or appropriate foam**

## Section 6: Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures  
**Suitable protection should be used**
- 6.2. Environmental precautions  
**Do not discharge into drains or rivers**
- 6.3. Methods and material for containment and cleaning up  
**Wash the spillage site with large amounts of water**
- 6.4. Reference to other sections  
**Refer to section 8 of MSDS**

## Section 7: Handling and storage

- 7.1. Precautions for safe handling  
**Avoid the formation or spread of dust in the air**
- 7.2. Conditions for safe storage, including any incompatibilities  
**Store in cool, well ventilated area. Recommendation : 5 to 25°C; RH<65%**
- 7.3. Specific end use(s)  
**No data available**

## Section 8: Exposure controls/personal protection

- 8.1. Control parameters  
Workplace exposure limits **Not available**
- 8.2. Exposure controls
- |              |   |
|--------------|---|
| Skin contact | <b>Protective cloths can be worn</b>                      |
| Eye contact  | <b>Safety glasses can be worn</b>                         |
| Hand         | <b>Protective gloves can be worn</b>                      |
| Respiratory  | <b>Protective device with particle filter can be worn</b> |

## Section 9: Physical and chemical properties

- 9.1. Information on basic physical and chemical properties
- |                     |                                 |
|---------------------|---------------------------------|
| State               | <b>Powder</b>                   |
| Colour              | <b>White to slightly yellow</b> |
| Odour               | <b>Neutral to milky</b>         |
| Oxidising           | <b>Non-oxidising</b>            |
| Solubility in water | <b>Soluble</b>                  |
- 9.2. Other information  
**No data available**

## Section 10: Stability and reactivity

- 10.1. Reactivity  
**Stable under recommended transport or storage conditions**
- 10.2. Chemical stability  
**Stable under normal conditions**
- |   |   |
|---|---|
| ▪ Ignition Energy                                       | <b>between 100 and 1000 mJ</b>                              |
| ▪ ignition or incandescence temperature (by 5 mm layer) | <b>at least 300°C</b>                                       |
| ▪ explosion characteristics K <sub>max</sub>            | <b>between 30 to 100 bar.m/s</b>                            |
| ▪ pressure P <sub>max</sub>                             | <b>between 6.0 and 7.5 bars</b>                             |
| ▪ explosive concentration                               | <b>between 20 and 80 g/m<sup>3</sup></b>                    |
| ▪ power resistivity                                     | <b>between 2.10<sup>9</sup> and 3.10<sup>13</sup> Ohm*m</b> |
- 10.4. Conditions to avoid  
**Avoid all possible sources of ignition ( spark or flame )**
- 10.5. Incompatible materials  
**Not available**
- 10.6. Hazardous decomposition products  
**Carbon oxides ( CO, CO<sub>2</sub> )**

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**No data available**

#### Symptoms / routes of exposure

Skin contact	<b>May cause skin irritation</b>
Eye contact	<b>May cause eyes irritation</b>
Ingestion	<b>No hazard expected in normal industrial handling</b>
Inhalation	<b>May cause respiratory irritation</b>

## Section 12: Ecological information

### 12.1. Ecotoxicity values

**Not available**

### 12.2 Persistence and degradability

**Biodegradable**

### 12.3 Bioaccumulative potential

**No bioaccumulation potential**

### 12.4 Mobility in soil

**Not available**

### 12.5 Results of PTB and VPvB assessment

**Not available**

### 12.6 Other adverse effects

**Not available**

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**The user's attention is drawn to the possible existence of regional or national regulations regarding disposal**

## Section 14: Transport information

Transport class	<b>milk products do not require a classification for transport. At loading and unloading bulk trucks, using earthing cable is mandatory</b>
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## Section 15: Regulatory information

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

**None**

### 15.2. Chemical Safety Assessment

**None**

## Section 16: Other information

Other special considerations	not available
MSDS first issued	November 2014
MSDS data revised	November 2018

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