

**O6320 Casein**

Page 1

Revised edition: 16.09.2021

Version: 2

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**1. Identification of the Substance/Mixture and of the Company/Undertaking****1.1. Product Identifier***Product Name:* Casein*Article No.:* O6320*UFI:* --**1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against***Identified uses:*  
Preparation of adhesives, paints and varnishes*Uses advised against:***1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)***Company:* Interlabshop BV*Address:* Lage Brink 23, 7317BD Apeldoorn The Netherlands*Tel./Fax.:* +31(0)55-5215016*Internet:* www.labshop.nl*E-Mail:* labshop@labshop.nl*Importer:* --**1.4. Emergency No.***Emergency No.:* 112 (24 hours a day)**1.4.2 Poison Center:**

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**2. Hazards Identification****2.1. Classification of the Substance or Mixture***Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)**This product does not require classification and labelling as hazardous according to CLP/GHS.**Possible Environmental Effects:*  
See Section 12.**2.2. Label Elements***Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)**This product does not require classification and labelling as hazardous according to CLP/GHS.**Hazard designation:*  
Not applicable.*Signal word:**Hazard designation:**Safety designation:**Hazardous components for labelling:***2.3. Other Hazards**

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**Composition/Information on Ingredients**

next page: 2

**O6320 Casein**

Page 2

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

**3.****3.1. Substance***Natural product***3.2. Mixture***Chemical Characterization:**Casein. CAS No. 900-71-9; EINECS 232-555-1**Information on Components / Hazardous Ingredients:**Additional information:**Exempted from the mandatory REACH Registration.***4. First Aid Measures****4.1. Description of the First Aid Measures***General information:**Seek medical attention in case of complaints.**Remove contaminated clothes.**After inhalation:**Supply fresh air.**After skin contact:**Wash off immediately with soap and plenty of water and rinse thoroughly.**After eye contact:**Rinse open eye for several minutes under running water.**After ingestion:**Immediately get medical help.**Rinse mouth with water and give plenty of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.***4.2. Most important Symptoms and Effects, both Acute and Delayed***Symptoms:**No further information available.**Effects:***4.3. Indication of any Immediate Medical Attention and special Treatment needed***Treatment:**No further information available.***5. Fire-Fighting Measures****5.1. Extinguishing Media***Suitable extinguishing media:**Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray jet.**Unsuitable extinguishing media:***5.2. Special Hazards arising from the Substance or Mixture***Special hazards:*

next page: 3

**O6320 Casein**

Page 3

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

---

*In case of fire: formation of carbon oxides, toxic gases/vapors.***5.3. Advice for Firefighters***Protective equipment:**Wear self-contained respiratory protective device and protective clothing.**Further information:*

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**6. Accidental Release Measures****6.1. Personal Precautions, Protective Equipment and Emergency Procedures***Personal precautions:**Avoid formation of dust.**Provide adequate ventilation. Keep away from sources of ignition.***6.2. Environmental Precautions***Environmental precautions:**Prevent contamination of soils, drains and surface water.***6.3. Methods and Material for Containment and Cleaning Up***Methods and material:**Take up mechanically and collect in suitable containers for disposal.***6.4. Reference to other Sections***For information for safe handling see Section 7.**Protective clothing, see Section 8.**Dispose of contaminated material according to Section 13.*

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**7. Handling and Storage****7.1. Precautions for Safe Handling***Instructions on safe handling:**Avoid formation of dust.**Provide adequate ventilation.**Hygienic measures:**No special measures required.***7.2. Conditions for Safe Storage, including any Incompatibilities***Storage conditions:**Store in tightly sealed containers in a dry and well ventilated location.**Requirements for storage areas and containers:**No special measures necessary.**Information on fire and explosion protection:**Dust may form an explosive mixture with air.**Take measures to prevent electrostatic discharge.**Keep away from sources of heat and ignition - do not smoke.**Storage class:*

10-13 (TRSG 510)

next page: 4

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6320 Casein

Page 4

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

---

*Further Information:*

*Storage temperature: 15 - 25°C*

**7.3. Specific End Use(s)**

*Further information:*

*No information available.*

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**8. Exposure Controls/Personal Protection**

**8.1. Parameters to be Controlled**

*Parameters to be controlled (DE):*

*TRGS 900*

*TLV: 1.25 mg/m<sup>3</sup> air-borne fraction (general dust limit)*

*TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

**8.2. Exposure Controls**

*Technical protective measures:*

*Provide adequate ventilation/exhaust system.*

*Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*Required in case of insufficient ventilation (EN 143 or 149).*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Nitrile rubber (> 480 min, 0.35 mm)*

*Natural rubber (> 240 min, 0.5 mm)*

*Eye protection:*

*Tightly fitting safety goggles (EN 166).*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*No special measures required.*

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**9. Physical and Chemical Properties**

**9.1. Information on Basic Physical and Chemical Properties**

*Form:*

*powder*

next page: 5

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6320 Casein

Page 5

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

---

<i>Color:</i>	<i>white</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>5 (20°C)</i>
<i>Melting temperature:</i>	<i>not determined</i>
<i>Boiling temperature:</i>	<i>not determined</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>not determined</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.4 g/cm<sup>3</sup> (20°C)</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>450°C</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	<i>not determined</i>

next page: 6

**O6320 Casein**

Page 6

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

---

**9.2. Further Information***Solubility in solvents:**Viscosity, kinematic:**Burning class:**Solvent content:**Solid content:**Particle size:**Other information:**No further information.*

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**10. Stability and Reactivity****10.1. Reactivity***Stable if used according to specifications.***10.2. Chemical Stability***Stable if used according to specifications.***10.3. Possibility of Hazardous Reactions***Unknown.***10.4. Conditions to Avoid***Conditions to avoid:**Avoid humidity.**Product is hygroscopic.**Thermal decomposition:**No decomposition if used according to specifications.***10.5. Incompatible Materials***No information available.***10.6. Hazardous Decomposition Products***None known.***10.7. Further Information**

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**11. Toxicological Information****11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008***Acute Toxicity**Is not classified as acutely toxic.**LD50, oral:**LD50, dermal:**LC50, inhalation:**Primary effects**Irritant effect on skin:**Non irritating**Irritant effect on eyes:**Non-irritating to eyes*

next page: 7

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6320 Casein

Page 7

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

---

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Aspiration hazard*

*No risk of aspiration.*

**11. 2. Information on other Hazards**

*No further information available.*

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**12. Ecological Information**

**12. 1. Aquatic Toxicity**

*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

**12. 2. Persistency and Degradability**

*Readily biodegradable.*

**12. 3. Bioaccumulation**

*No information available.*

**12. 4. Mobility**

*No information available.*

**12. 5. Results of PBT- und vPvP Assessment**

*No data available.*

**12. 6. Endocrine Disrupting Properties**

*Not listed.*

**12. 7. Other Adverse Effects**

*Water hazard class:*

*1, slightly hazardous (German Regulation; Self-assessment).*

*Behaviour in sewage systems:*

next page: 8

**O6320 Casein**

Page 8

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

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*Further ecological effects:**AOX Value:*

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**13. Disposal Considerations****13.1. Waste Treatment Methods***Product:**Dispose of according to official national and local regulations.**European Waste Code (EWC):**Uncleaned packaging:**Non contaminated packaging can either be recycled or utilized for energy (incineration).**Waste Code No.:*

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**14. Transport Information****14.1. UN Number***ADR, IMDG, IATA***14.2. UN Proper Shipping Name***ADR/RID:**No hazardous goods according to ADR / DOT (US) (land transportation).**IMDG/IATA:**Not hazardous goods***14.3. Transport Hazard Classes***ADR Class:**not applicable**Hazard no.:**Classification code:**Tunnel restriction code:**IMDG Class (sea):**not applicable**Hazard no.:**EmS No.:**IATA Class:**not applicable**Hazard no.:***14.4. Packaging Group***ADR/RID:**not applicable**IMDG:**IATA:*

next page: 9



# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

## O6320 Casein

Page 9

Revised edition: 16.09.2021

Version: 2

Printed: 05.12.2022

---

### 14.5. Environmental Hazards

None

### 14.6. Special Precautions for User

*Not classified as a dangerous good under transport regulations.*

### 14.7. Maritime Transport in Bulk according to IMO Instruments

### 14.8. Further Information

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## 15. Regulatory Information

### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*1, slightly hazardous for water (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

*Seveso III Directive: not applicable under Directive 2012/18/EC.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

*EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern above the legal limit value (> 0.1 % (w/w) REACH Regulation (EC) 1907/2006, Article 57).*

### 15.3. Further Information

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*Regulation (EC) 850/2004 - Persistent Organic Pollutants and amending Directive 79/117/EEC: not regulated / not applicable*

*VOC Content: 0 %*

*Listed in the following inventories:*

*EINECS (232-555-1), TSCA (US), AICS (AUS), DSL (CA), PICCS (PH), KECI (KR), IECSC (CN), NZIoc (NZ), TCSI (TW), INSQ (MX), CICR (TR)*

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## 16. Other Information

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*