

## SAFETY DATA SHEET

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Die in diesem Produktdatenblatt genannten Spezifikationen dienen nur zur Produktbeschreibung und beziehen sich auf den Zeitpunkt unmittelbar nach der Produktion bzw. Import des Produktes. Sie entsprechen den Angaben des Herstellers. Eine rechtsverbindliche Zusicherung bestimmter Eigenschaften oder der Eignung für einen bestimmten Einsatzzweck kann hieraus nicht abgeleitet werden. Durch unsachgemäßen Transport und / oder unsachgemäße Lagerung können sich Änderungen ergeben. Die Angaben in diesem Produktdatenblatt entbinden den Verarbeiter nicht von eigener Prüfung der Eigenschaften des Produktes und dessen Eignung für die vorgesehene Verwendung.

# Safety Data Sheet

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

# deffner & Johann

## 2434 010 Dextrine, pure

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Revised edition: 22.05.2020

Version: 1

Printed: 26.05.2020

### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* Dextrine, pure

*Article No.:* 2434 010

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

Restoration purposes

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:*

Deffner & Johann GmbH

*Address:*

Mühläckerstraße 13, D-97520 Röthlein

*Tel./Fax.:*

Tel. +49 9723 9350-0, Fax +49 9723 9350-25

*Internet:*

www.deffner-johann.de

*E-Mail:*

info@deffner-johann.de

*Importer:*

#### 1.4. Emergency No.

*Emergency No.:*

1.4.2 **Poison Center:** Tel. +49 9723 9350-0 (Mo. - Fr.: 8:00 - 15:00 Uhr)

### 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:*

#### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*No classification required according to the CLP/GHS guidelines.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

### 3. Composition/Information on Ingredients

#### 3.1. Substance

Mixture

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### 3.2.

*Chemical Characterization:* Potato starch

*Information on Components / Hazardous Ingredients:*

Dextrine; (C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> ) <sub>n</sub> * x H <sub>2</sub> O	100 %	CAS-Nr: 9004-53-9 EINECS-Nr: 232-674-4 EC-Nr:
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*Additional information:*

## 4. First Aid Measures

### 4.1. Description of the First Aid Measures

*General information:*

*After inhalation:*

No special measures required.

*After skin contact:*

Wash off with water.

*After eye contact:*

Rinse eyes with lukewarm water.

*After ingestion:*

No special measures required.

### 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 special first-aid measures necessary.

## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray.

*Unsuitable extinguishing media:*

Water with full jet.

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

Do not inhale explosion and smoke fumes and gases.  
Combustible material.

### 5.3. Advice for Firefighters

*Protective equipment:*

Wear self-contained respiratory protective device.

*Further information:*

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### 6. Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Do not inhale dust.*

#### 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:*

*Clean up mechanically. Avoid dust formation.*

*Avoid dust formation.*

#### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*See Section 13 for information on disposal.*

### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation of dust.*

*Hygienic measures:*

*Wash hands before breaks and after work.*

#### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in tightly sealed containers in a dry room.*

*Requirements for storage areas and containers:*

*Information on fire and explosion protection:*

*Avoid dust formation.*

*Storage class:*

*11; Combustible solids (TRGS 510)*

*Further Information:*

*Storage temperature: 5 - 25°C.*

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

*Further information:*

### 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:*

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*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*No further measures, see Section 7.*

*Personal Protection*

*General protective measures:*

*Do not inhale dust. Do not eat, drink or smoke while working.  
Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*Dust mask recommended when very dusty (with particle filter P1).*

*Hand protection:*

*Protective gloves (EN 374)*

*Protective glove material:*

*Nitrile rubber (> 480 min, 0.11 mm).*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*Not required.*

*Environmental precautions:*

*Prevent from getting into the soil, surface water and sewage system.*

## 9. Physical and Chemical Properties

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

*Form:* powder

*Color:* white

*Odor:* neutral

*Odor threshold:*  
not determined

*pH-Value:*  
not applicable

*Melting temperature:*  
not determined

*Boiling temperature:*  
not applicable

*Flash point:*  
not applicable

*Evaporation rate:*

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*No information available.*

*Flammability (solid, gas):*

*not available*

*Upper explosion limit:*

*no information available*

*Lower explosion limit:*

*0.06 g/m<sup>3</sup>*

*Vapor pressure:*

*not applicable*

*Vapor density:*

*No information available.*

*Density:*

*not available*

*Solubility in water:*

*partly soluble*

*Coefficient of variation (n-Octanol/Water):*

*no information available*

*Auto-ignition temperature:*

*No information available.*

*Decomposition temperature:*

*> 200°C  
(loss of ammonia)*

*Viscosity, dynamic:*

*not applicable*

*Explosive properties:*

*not explosive*

*Oxidizing properties:*

*none*

*Bulk density:*

*ca. 800 kg/m<sup>3</sup>*

#### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

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### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*Vigorous reactions with strong oxidants.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Protect from heat.*

*Thermal decomposition:*

*Thermal decomposition above 200°C.*

### 10.5. Incompatible Materials

*No information available.*

### 10.6. Hazardous Decomposition Products

*In the event of fire: see chapter 5.*

### 10.7. Further Information

## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*No toxicity expected.*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*Non irritating*

*Irritant effect on eyes:*

*Non-irritating to eyes*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Non sensitizing.*

*Mutagenicity:*

*Not mutagenic.*

*Reproductive toxicity:*

*No reproductive toxicity expected.*

*Carcinogenicity:*

*Not cancerogenic.*

*Teratogenicity:*

*No teratogenic effects expected.*

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### *Specific target organ toxicity (STOT):*

*Single exposure: no organospecific toxicity expected.  
Repeated exposure: no organospecific toxicity expected.*

### *Additional toxicological information:*

*Product is non-toxic.  
Aspiration hazard: not applicable*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

#### *Fish toxicity:*

*LC50: > 100 mg/l (96h, fish)*

#### *Daphnia toxicity:*

*EC50: > 100 mg/l (48h, Daphnia magna)*

#### *Bacteria toxicity:*

*No data available.*

#### *Algae toxicity:*

*No information available.*

### 12.2. Persistency and Degradability

*Theoretical oxygen demand (ThOC): 1.184 mg/mg  
Theoretical carbon dioxide (ThCO<sub>2</sub>): 1.629 mg/mg*

### 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. Other Adverse Effects

#### *Water hazard class:*

*Not hazardous.*

#### *Behaviour in sewage systems:*

#### *Further ecological effects:*

#### *AOX Value:*

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## 13. Disposal Considerations

### 13.1. Waste Treatment Methods

#### *Product:*

*Smaller quantities can be disposed of with household waste.*

#### *European Waste Code (EWC):*

#### *Uncleaned packaging:*

*Uncontaminated packaging may be recycled.*

#### *Waste Code No.:*

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## 14. Transport Information

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### 14.1. UN Number

*ADR, IMDG, IATA*

### 14.2. UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR (land transportation).*

*IMDG/IATA:*

*No hazardous goods according to IMDG.*

### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

### 14.4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

### 14.5. Environmental Hazards

*Not classified as environmentally hazardous.*

### 14.6. Special Precautions for User

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

### 14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

### 14.8. Further Information

## 15. Regulatory Information

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

*Water hazard class:*

*0, not hazardous (German Regulation)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*EC. REACH, Section XVII, Restrictions on the Manufacture,*

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*Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

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

### 15.3. Further Information

*Listed in the following inventories:*

*EINECS (EC)*

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

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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.*