

Revision Date: 01-31-2017

# SAFETY DATA SHEET

## 1. Identification

**Product identifier: DEXTROSE** 

Other means of identification

**Product No.:** 2262, 7730, 1920, 1919, 1916, 4915, 4912, 4908, 4893, XL386

Recommended use and restriction on use

Recommended use: Not available.
Restrictions on use: Not determined.

## Details of the supplier of the safety data sheet

#### Manufacturer

Company Name: Avantor Performance Materials, LLC.

Address: 3477 Corporate Parkway

Center Valley, PA 18034

Telephone: Customer Service: 855-282-6867

Fax: 610-573-2610

Contact Person: Environmental Health & Safety E-mail: info@avantormaterials.com

**Emergency telephone number:** 

CHEMTREC: 1-800-424-9300 within US and Canada

## 2. Hazard(s) identification

#### **Hazard Classification**

## OSHA hazard(s)

Combustible dust

#### **Label Elements**

Hazard Symbol: No symbol

Signal Word: Warning

**Hazard Statement:** May form combustible dust concentrations in air.

Precautionary Statements

**Prevention:** Keep container tightly closed. Ground and bond container and receiving

equipment. Prevent dust accumulation to minimize explosion hazard. Keep away from heat, hot surfaces, sparks, open flames and other ignition

sources. No smoking.

Other hazards which do not result in GHS classification:

None.

## 3. Composition/information on ingredients



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#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
DEXTROSE ANHYDROUS		50-99-7	90 - 100%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# 4. First-aid measures

General information: Get medical advice/attention if you feel unwell. Show this safety data sheet

to the doctor in attendance.

Ingestion: Rinse mouth thoroughly. Call a POISON CENTER/doctor if you feel unwell.

**Inhalation:** Move to fresh air. Get medical attention if symptoms persist.

**Skin Contact:** Wash skin thoroughly with soap and water. Get medical attention if

symptoms occur.

**Eye contact:** Immediately flush with plenty of water for at least 15 minutes. If easy to do,

remove contact lenses. Get medical attention if symptoms persist.

Most important symptoms/effects, acute and delayed

**Symptoms:** Symptoms may be delayed. May irritate eyes.

Indication of immediate medical attention and special treatment needed

**Treatment:** Treat symptomatically.

# 5. Fire-fighting measures

**General Fire Hazards:** Dust may form explosive mixture with air.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing

media:

Water spray, dry powder or carbon dioxide.

Unsuitable extinguishing

media:

None known.

Specific hazards arising from

the chemical:

Dust may form explosive mixture with air.

Special protective equipment and precautions for firefighters

Special fire fighting

procedures:

Use water spray to keep fire-exposed containers cool. Move containers

from fire area if you can do so without risk.

Special protective equipment

for fire-fighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in

enclosed spaces, SCBA.

#### 6. Accidental release measures



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Personal precautions, protective equipment and emergency procedures:

Keep unauthorized personnel away. Keep upwind. Ventilate closed spaces before entering them. Avoid inhalation of dust. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Methods and material for containment and cleaning up:

Remove sources of ignition. Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual

contamination.

**Notification Procedures:** Inform authorities if large amounts are involved. Prevent entry into

waterways, sewer, basements or confined areas. Prevent runoff from

entering drains, sewers, or streams.

**Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Avoid discharge into

drains, water courses or onto the ground.

# 7. Handling and storage

Precautions for safe handling: Avoid generation and spreading of dust. Dust may form explosive mixture

> with air. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Wash thoroughly after handling. See Section 8 of the SDS for Personal Protective

Equipment.

Conditions for safe storage,

including any incompatibilities: Keep container tightly closed. Store in a well-ventilated place.

## 8. Exposure controls/personal protection

#### **Control Parameters**

**Occupational Exposure Limits** 

None of the components have assigned exposure limits.

Appropriate Engineering

**Controls** 

No data available.

## Individual protection measures, such as personal protective equipment

General information: Good general ventilation (typically 10 air changes per hour) should be used.

> Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the

immediate work area.

Eye/face protection: Wear safety glasses with side shields (or goggles). Use tight fitting goggles

if dust is generated.

**Skin Protection** 

**Hand Protection:** Not normally needed.

Other: Wear appropriate clothing to prevent repeated or prolonged skin contact.

Wear respirator if there is dust formation. **Respiratory Protection:** 

Always observe good personal hygiene measures, such as washing after Hygiene measures:

> handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.



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# 9. Physical and chemical properties

**Appearance** 

Physical state: solid

Form: Crystals or powder.
Color: Colorless to white

Odorless Odorless

Odor threshold:

pH:

No data available.

No data available.

Melting point/freezing point: 146 °C

Initial boiling point and boiling range:

Flash Point:

Evaporation rate:

No data available.

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%):

Flammability limit - lower (%):

Explosive limit - upper (%):

Explosive limit - lower (%):

No data available.

Solubility(ies)

Solubility in water: Soluble

**Solubility (other):**No data available.

Partition coefficient (n-octanol/water): -3.24

Auto-ignition temperature:No data available.Decomposition temperature:No data available.Viscosity:No data available.

Other information

Bulk density: 760 kg/m3

Molecular weight: 180.16 g/mol (C6H12O6)

## 10. Stability and reactivity

**Reactivity:** No dangerous reaction known under conditions of normal use.

**Chemical Stability:** Material is stable under normal conditions.

Possibility of hazardous

reactions:

Hazardous polymerization does not occur.

Conditions to avoid: Heat, sparks, flames. Dust clouds may be explosive under certain

conditions. Contact with incompatible materials.

**Incompatible Materials:** Strong oxidizing agents. Inorganic peroxides.

**Hazardous Decomposition** 

Products:

Oxides of Carbon.

# 11. Toxicological information

# Information on likely routes of exposure



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**Ingestion:** Expected to be a low ingestion hazard.

**Inhalation:** Dust may irritate throat and respiratory system and cause coughing.

**Skin Contact:** None under normal conditions.

**Eye contact:** Dust in the eyes will cause irritation.

## Information on toxicological effects

# Acute toxicity (list all possible routes of exposure)

Oral

**Product:** LD 50 (Rat): > 5,000 mg/kg

Dermal

**Product:** 

No data available.

Inhalation

**Product:** No data available.

Repeated dose toxicity

**Product:** No data available.

Skin Corrosion/Irritation

**Product:** not applicable

Serious Eye Damage/Eye Irritation

**Product:** not applicable

Respiratory or Skin Sensitization

**Product:** Not a skin sensitizer.

Carcinogenicity

**Product:** This substance has no evidence of carcinogenic properties.

# IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

## **US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogenic components identified

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

#### **Germ Cell Mutagenicity**

In vitro

**Product:** No mutagenic components identified

In vivo

**Product:** No mutagenic components identified

Reproductive toxicity

**Product:** No components toxic to reproduction

**Specific Target Organ Toxicity - Single Exposure** 

**Product:** None known.

**Specific Target Organ Toxicity - Repeated Exposure** 

**Product:** None known.

#### **Aspiration Hazard**



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Product: Not classified

Other effects: None known.

## 12. Ecological information

## **Ecotoxicity:**

## Acute hazards to the aquatic environment:

**Fish** 

**Product:** No data available.

**Aquatic Invertebrates** 

**Product:** No data available.

## Chronic hazards to the aquatic environment:

**Fish** 

**Product:** No data available.

**Aquatic Invertebrates** 

**Product:** No data available.

**Toxicity to Aquatic Plants** 

**Product:** No data available.

## **Persistence and Degradability**

Biodegradation

**Product:** Expected to be readily biodegradable.

**BOD/COD Ratio** 

**Product:** No data available.

# **Bioaccumulative potential**

**Bioconcentration Factor (BCF)** 

**Product:** No data available on bioaccumulation.

# Partition Coefficient n-octanol / water (log Kow) Product: Log Kow: -3.24

**Mobility in soil:** The product is water soluble and may spread in water systems.

Other adverse effects: The product components are not classified as environmentally hazardous.

However, this does not exclude the possibility that large or frequent spills

can have a harmful or damaging effect on the environment.

## 13. Disposal considerations

**Disposal instructions:** Discharge, treatment, or disposal may be subject to national, state, or local

laws.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even

after container is emptied.

## 14. Transport information

#### DOT

Not regulated.



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#### **IMDG**

Not regulated.

#### IATA

Not regulated.

## 15. Regulatory information

#### **US Federal Regulations**

# TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

#### CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

## Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### **Hazard categories**

Not listed.

#### **SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

## SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

#### SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u> <u>Threshold Planning Quantity</u>

DEXTROSE 10000 lbs

**ANHYDROUS** 

#### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

# Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

## Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

#### **US State Regulations**

## **US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

## US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

## **US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

#### US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

# **US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.



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## **Inventory Status:**

Australia AICS:

Canada DSL Inventory List:

On or in compliance with the inventory

EU EINECS List:

On or in compliance with the inventory

On or in compliance with the inventory

EU ELINCS List:

Not in compliance with the inventory.

Japan (ENCS) List:

On or in compliance with the inventory.

Not in compliance with the inventory

EU No Longer Polymers List:

Not in compliance with the inventory.

China Inv. Existing Chemical Substances:

On or in compliance with the inventory

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

On or in compliance with the inventory

On or in compliance with the inventory.

On or in compliance with the inventory

On or in compliance with the inventory

New Zealand Inventory of Chemicals:

Switzerland Consolidated Inventory:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

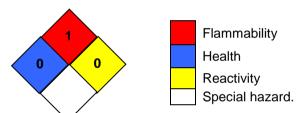
On or in compliance with the inventory.

On or in compliance with the inventory.

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16.Other information, including date of preparation or last revision

#### **NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

**Issue Date**: 01-31-2017

**Revision Date:** No data available.

Version #: 1.2

Further Information: No data available.



Disclaimer:

Version: 1.2

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