

## SAFETY DATA SHEET

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

#### 1.1 Product identifiers

Product name: Dextrose, Anhydrous  
CAS number: 50-99-7  
Synonyms: Dextrose Anhydrous or Anhydrous Dextrose

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

Identified Uses : Pharmaceutical applications.

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

Company : Lab Alley, LLC  
22111 Highway 71 West, Suite 601  
Spicewood, Texas 78669  
U.S.A.  
Telephone : 512-668-9918  
Fax : 512-886-4008

#### 1.4 Emergency telephone

Emergency Phone # : US & Canada: 1-800-535-5053      INFOTRAC  
International 1-352-323-3500      INFOTRAC

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Not classified as dangerous.

## 2.2 GHS Label elements, including precautionary statements

Pictogram:	Not classified as dangerous.
Signal Word:	<b>WARNING!</b>
Hazard statement(s):	May form combustible dust concentrations in air.
Precautionary statement(s):	Dispose of contents/container in accordance with local/regional/national/international regulations.

### Hazards not otherwise classified

None.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Ingredient	CAS Number	Percent	Hazardous Chemical
Dextrose	50-99-7	100	No

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

<b>General advice:</b>	Show this safety data sheet to the doctor in attendance.
<b>If inhaled:</b>	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
<b>In case of eye contact:</b>	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
<b>In case of skin contact:</b>	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap. If skin irritation occurs: Get medical advice/attention.
<b>In case of ingestion:</b>	If a large amount is swallowed, get medical attention.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

If in doubt, seek medical advice.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable (and unsuitable) extinguishing media

Carbon dioxide. Water spray. Foam.

### 5.2 Specific hazards arising from the substance or mixture

May form combustible dust concentrations in air. This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe). Use explosion-proof electrical equipment. Contact with combustible material may cause fire.

### 5.3 Special protective equipment and precautions for firefighters

Remove product from area of fire. Wet the material with water to limit dust emission or explosion. Suitable extinguishing media. Avoid inhalation of the product. Stay upwind/keep distance from source. In case of fire: Wear self-contained breathing apparatus. Wear suitable protective clothing.

### 5.4 Further information

None.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under section 7 and 8.

### 6.2 Environmental precautions

No information available.

### 6.3 Methods and materials for containment and cleaning up

Avoid generation of dust. Remove all sources of ignition. Ensure that the equipment is adequately grounded. Dispose of contents/container in accordance with local/regional/national/international regulations.

### 6.4 Reference to other sections

For disposal see Section 13. Refer to section 8 of SDS for personal protection details.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take care for general good hygiene and housekeeping.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

None needed according to classification criteria. Store in accordance with local/regional/national/international regulations. Store in a well-ventilated place. Keep container tightly closed. Store in a dry place. Avoid generation of dust.

## SECTION 8. Exposure controls/personal protection

### 8.1 Occupational exposure limits

Component	ACGIH TLV	OSHA PEL	NIOSH IDLH
Dextrose 50-99-7	NA	NA	NA

Legend

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health

### 8.2 Exposure controls

#### Appropriate engineering controls

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

#### Personal protective equipment

##### Eye/face protection

If eye contact is likely, wear chemical resistant safety goggles.

##### Skin and body protection

Protective clothing is not required under normal conditions. Protective gloves are not required under normal conditions.

##### Respiratory protection

Respiratory protection is not required under normal conditions of use. If respirable dusts are generated, respiratory protection may be needed.

##### Control of environmental exposure

No information available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Physical State</b>	Solid.
<b>Appearance</b>	White crystalline powder.
<b>Odor</b>	No detectable foreign odor.
<b>Odor Thresh</b>	No information available.
<b>pH</b>	No information available.
<b>Melting Point/Range</b>	No information available.
<b>Boiling Point/Range</b>	No information available.
<b>Flash Point</b>	No information available.
<b>Evaporation Rate</b>	No information available.
<b>Flammability (solid, gas)</b>	No information available.
<b>Flammability or explosive limit</b>	No information available.

**Upper** : NA

**Lower** : NA

<b>Vapor Pressure</b>	No information available.
<b>Vapor Density</b>	No information available.
<b>Density</b>	57 lbs/ft3 (packing density)
<b>Solubility</b>	No information available.
<b>Partition coefficient; n-octanol/water</b>	No information available.
<b>Autoignition Temp</b>	No information available.
<b>Decomposition Temp</b>	No information available.
<b>Viscosity</b>	No information available.
<b>Molecular Formula</b>	C6H12O6
<b>Molecular Weight</b>	180.16
<b>VOC Content(%)</b>	No information available.
<b>Oxidizing properties</b>	No information available.

## 9.2 Other safety information

Material Dust Explosivity Parameters: KSt-value (bar x m/s): 160. Maximum explosion pressure (Pmax) bar: 8.3. Maximum rate of pressure rise ((dp/dt)max) bar/s: 591. Testing in accordance with American Society of Testing Materials (ASTM E1226). This data provides a relative measure of deflagration characteristics used for design of explosion protection systems. Refer to NFPA 654, 68, and 69 for guidance on explosion mitigation.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Product is not reactive under recommended use and storage.

### 10.2 Chemical stability

Stable under ordinary conditions of use and storage.

### 10.3 Possibility of hazardous reactions

There are no hazardous reactions known.

### 10.4 Conditions to avoid

Direct sunlight. Extreme high or low temperatures.

### 10.5 Incompatible materials

No information found.

### 10.6 Hazardous decomposition products

Carbon dioxide and carbon monoxide may form when heated to decomposition.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

#### Product Information

#### Component Information

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cream of tartar	NA	NA	NA

#### Skin corrosion/irritation

No information available.

**Serious eye damage/eye irritation**

No information available.

**Respiratory or skin sensitization**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

*Cream of Tartar (868-14-4)*

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not listed.

**NTP Report on Carcinogens**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed

**ACGIH**

Not listed.

**MEXICO**

Not listed.

**Reproductive toxicity**

No information available.

**Specific target organ toxicity - single exposure**

None known.

**Specific target organ toxicity - repeated exposure**

None known.

**Aspiration hazard**

Negative.

**Chronic effects**

No information available.

**11.2 Additional information**

None.

**SECTION 12. Ecological information**

**12.1 Toxicity**

**Ecotoxicity:**

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Cream of Tartar	Not listed	Not listed	Not listed	Not listed

## 12.2 Persistence and Degradability

Not established.

## 12.3 Bioaccumulative Potential

Not established.

## 12.4 Mobility in Soil

No information available.

## 12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

## 12.6 Endocrine disrupting properties

No information available.

## 12.7 Other adverse effects

No information available.

## SECTION 13. Disposal considerations

### 13.1 Waste Disposal Methods

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Empty containers have to be handled with the same caution as the pure substance.

## SECTION 14: Transport information

### DOT

UN-No Not regulated.  
Proper Shipping Name  
Hazard Class  
Packing Group

### TDG

UN-No Not regulated.  
Proper Shipping Name  
Hazard Class  
Packing Group

### IATA

UN-No Not regulated.  
Proper Shipping Name  
Hazard Class  
Packing Group

### IMDG/IMO

UN-No Not regulated.  
Proper Shipping Name  
Hazard Class  
Packing Group

## SECTION 15: Regulatory information

### Chemical Inventory Status - Part 1

**Ingredient** **TSCA EC Japan Australia**  
*Potassium Bitartrate (868-14-4)* Yes Yes Yes Yes

### Chemical Inventory Status - Part 2

**Ingredient** **--Canada--**  
**Korea DSL NDSL Phil.**  
*Potassium Bitartrate (868-14-4)* Yes Yes No Yes

### Federal, State & International Regulations - Part 1

<b>Ingredient</b>	<b>-SARA 302- RQ TPQ</b>	<b>-SARA 313- List Chemical Catg.</b>	
<i>Potassium Bitartrate (868-14-4)</i>	No No	No	No

### Federal, State & International Regulations - Part 2

<b>Ingredient</b>	<b>-RCRA- CERCLA</b>	<b>-TSCA 261.33</b>	<b>8(d)</b>
<i>Potassium Bitartrate (868-14-4)</i>	No	No	No

**Chemical Weapons Convention:** No **TSCA 12(b):** No **CDTA:** No  
**SARA 311/312: Acute:** No **Chronic:** No **Fire:** No **Pressure:** No  
**Reactivity:** No (Pure / Solid)

**Australian Hazchem Code:** None allocated.

**Poison Schedule:** None allocated.

**WHMIS:** This SDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR.

## SECTION 16: Other information

Issue Date 11/2019  
Revision Date 10/18/2023

### Disclaimer:

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.