

## I Identification

Product Name: **D-Sorbitol**

Catalog Number: **S013**

Synonyms: **Gulitol, Sorbol**

Company: **Caisson Laboratories**

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Recommended Use:

Restrictions On Use:

## II Hazard(s) Identification

Overview:

Flammability:

Reactivity:

Toxicity:

NFPA Rating

Health: **1**

Flammability: **1**

Reactivity: **0**

Special:

Pictograms:

## III Composition / Information on Ingredients

General Information: **Chemical Formula: C6H14O6**

Component:

CAS#: **50-70-4**

% by Weight: **98-100%**

#### IV First-Aid Measures

General Information: **Notes to Physician: Treat symptomatically.**

Route of Exposure

Oral: **Clean mouth with water and afterwards drink plenty of water.**

Inhalation: **Move to fresh air. If breathing becomes difficult, give oxygen.**

Dermal: **Wash off immediately with soap and plenty of water removing all contaminated clothing.**

Eye: **Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.**

#### V Fire-Fighting Measures

General Information:

Flammable Properties

General: **Not flammable**

Flash Point: **not determined**

Ignition Temperature:

Suitable Extinguishing Media: **Use DRY chemical powder, water spray, fog or foam.**

Special Protective Equipment for fire fighters: **Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.**

Additional Information:

#### VI Accidental Release Measures

General Information: **Personal Precautions: Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation.**

**Methods for Containment: Prevent further leakage or spillage if safe to do so.**

**Methods for Cleaning up: Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.**

#### VII Handling and Storage

Handling: **Handle in accordance with good industrial hygiene and safety practice. Hygroscopic. Protect from moisture.**

Storage: **Keep container tightly closed in a dry, cool and well-ventilated area. Hygroscopic. Protect from moisture.**

## VIII Exposure Controls / Personal Protection

General Information:

Engineering Measures: **Showers**

**Eyewash stations**

**Ventilation systems**

Personal Protective Equipment

General:

Eye Protection: **Wear safety glasses or goggles.**

Hand Protection: **Wear protective gloves.**

Respiratory Protection: **If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.**

Skin and Body Protection: **Wear clean body-covering clothing.**

Hygiene Measures: **Handle in accordance with good industrial hygiene and safety practice.**

## IX Physical and Chemical Properties

General Information:

Appearance: **White powder**

pH:

Specific Gravity:

Melting Point: **98 - 100°C**

Boiling Point:

Flash Point: **not determined**

Flammability Range:

Vapor Pressure:

## X Stability and Reactivity

General Information: **Stable under recommended storage conditions.**

Storage Stability

Temperature: **Room Temperature**

Light Sensitive: **True**

Incompatibles: **Strong oxidizing agents.**

Hazardous Decomposition Products: **Carbon oxides**

**XI Toxicological Information**

General Information:

Acute Toxicity: **Product does not present an acute toxicity hazard based on known or supplied information.**

Chronic Toxicity: **No known effect based on information supplied.**

Local Effects:

Target Organs:

Carcinogenicity:

OSHA Permissible Exposure Limits:

**XII Ecological Information**

General Information:

**XIII Disposal Considerations**

General Information:

Disposal of Product:

Disposal of Packaging:

**XIV Transport Information**

Proper Shipping Name: **CHEMICALS, N.O.S (NON-REGULATED)**

UN#:

Class:

Packaging Group:

Hazard Label:

**XV Regulatory Information**

General Information:

TSCA:

SARA 313:

**XVI Other Information**

General Information: **All chemicals may pose unknown hazards and should be used with caution. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Caisson Laboratories, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.**

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