Sorbitol

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / March 26, 2012 / Rules and Regulation

Revision Date: 01-26-2016
Supersedes: 08-28-2015

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Sorbitol
Synonyms: d-sorbitol, d-glucitol, hexahydric alcohol
INCI Name: Sorbitol
CAS Number: 50-70-4
Formula: C₆H₁₄O₆
Product Form: Solid
Product Use: Cosmetic use

Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Not classified
GHS Labeling: Not classified
GHS Hazard Pictograms: None
GHS Hazard Statements: None
GHS Precautionary Statements: None
Potential Health Hazards:
- Eyes: May be irritant.
- Inhalation: Not normally an inhalation hazard.
- Skin: May be irritant.
- Ingestion: May be irritant and laxative.

NFPA Ratings (704):
- Health: 2 Moderate
- Flammability: 1 Slight
- Reactivity: 0 Minimal
- Specific Hazard: n/a

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component | CAS No. | Weight % | Molecular Weight
--- | --- | --- | ---
Sorbitol | 50-70-4 | Not available | 182.17 g/mol

4 FIRST AID MEASURES

Eyes: Irrigate eyes with a heavy stream of water for at least 15 to 20 minutes. If irritation persists get medical attention.
Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.
Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.
Ingestion: If gastrointestinal symptoms develop, consult medical personnel.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: No data available
Special protective equipment & precautions for firefighters: Firefighters should wear full protective clothing including self-contained breathing apparatus.
Flash Points: >249°F (>300°C)
Specific hazards arising from the chemical: None known

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions: Prevent entry into waterways, sewers, basements or confined areas.
Methods and material for containment and cleaning up: Isolate spill area immediately. Keep unauthorized personnel away. Ventilate closed spaces before entering. Do not touch or walk through spilled material. Surface may become
slippery after spillage. Use vacuum or broom and remove to disposal container. If damp, flush with water.

7 HANDLING & STORAGE

Precautions for safe handling: Avoid contact with eyes. Wash thoroughly after handling. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

Conditions for safe storage, incl. any incompatibilities: Avoid freezing or excessive heat. Do not handle or store near an open flame, heat or other sources of ignition. Keep the container tightly closed and in a cool, well-ventilated place.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
<th>Basis</th>
<th>Entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sorbitol</td>
<td>Not determined</td>
<td>STEL: Short Term Exposure Limit during x minutes.</td>
<td></td>
</tr>
</tbody>
</table>

Personal Protection:

* Eyes: Safety glasses, goggles, or face shield recommended for eye protection.
* Inhalation: No protective measures necessary. May wear NIOSH approved respiratory protection.
* Body: Gloves recommended to prevent prolonged skin contact.
* Other: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

| Appearance, Physical State: Powder | Vapor Pressure: Not available |
| Odor: Slightly sweet odor          | Vapor Density: Not available |
| Taste: Not available               | Evaporation Rate: Not available |
| Color: White                       | Flammability: Not available |
| Molecular Weight: 182.17 g/mol     | Upper/lower Explosive Limit: Not available |
| pH (1% sol. in water): 5-7 (10% solution) | Solubility: Soluble in water. |
| Boiling Point: 105°C (221°F)      | Flash Point: 100°C (212°F; 373 K) |
| Melting Point: 92°C (198°F)       | Specific Gravity: 1.29 |

10 STABILITY AND REACTIVITY

Reactivity: Product is stable
Chemical Stability: Stable under normal conditions of storage and handling.
Hazardous Polymerization: Not likely to occur
Conditions to Avoid: Not available
Incompatible Materials: Strong oxidizing agents and strong acids.
Hazardous Decomposition Products: Burning can produce carbon monoxide, carbon dioxide and various hydrocarbons.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: Acute oral toxicity (LD50) 15’900 mg/kg (rat)
Skin: Slight irritation to sensitive individuals.
Eyes: Slight to moderate irritation to sensitive individuals.
Respiratory: Not normally an inhalation hazard
Ingestion: Do not ingest; product has laxative properties and may result in diarrhea and abdominal cramps.
Carcinogenicity: Not available
Teratogenicity: Not available
Germ Cell Mutagenicity: Not available
Embryotoxicity: Not available
Specific Target Organ Toxicity: Not available
Reproductive Toxicity: Not available
12 ECOLOGICAL INFORMATION

Ecotoxicity
- Aquatic Vertebrate: Not available
- Aquatic Invertebrate: Not available
- Terrestrial: Not available

Persistence and Degradability: Not available

Bioaccumulative Potential: Not available

Mobility in Soil: Not available

PBT and vPvB Assessment: Not available

Other Adverse Effects: Not available

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods.

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA): Not regulated

TDG (Transportation of Dangerous Goods, Canada): Not regulated

IMDG (International Maritime Dangerous Goods): Not regulated

IATA (International Air Transport Association): Not regulated

ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: Listed as Sorbitol.

DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.

WHMIS (Canada): Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 01-26-2016

Compliance: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company’s knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user’s responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.