

MATERIAL SAFETY DATA SHEET**Product Name:** D-(+)-Maltose monohydrate**CAS No.:** 6363-53-7**Version:** 0**1. Identification**

Product Code : 90651
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2. Hazards Identification

Hazard classification : Not classified
Label elements
Hazard symbol : No symbol
Signal word : No signal word.
Hazard statement : Not applicable.
Precautionary statement : Not applicable.
Other hazards which do not result in GHS classification : None.

3. Composition/information on ingredients

Ingredient	CAS No	Percent
D-(+)-Maltose monohydrate	6363-53-7	NLT- 99.0%

4. First Aid Measures**Description of first aid measures**

General advice : Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation : If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin contact : Wash off with soap and plenty of water.
Eye contact : Flush eyes with water as a precaution.
Swallowed : Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed : To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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Indication of any immediate medical attention and special treatment needed Treatment : No data available

5. Fire fighting measures**Extinguishing media**

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture : Carbon oxides

Advice for firefighters : Wear self contained breathing apparatus for fire fighting if necessary

Further information : No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures : Avoid dust formation. Avoid breathing vapours, mist or gas.

Environmental precautions : Do not let product enter drains.

Methods and materials for containment and cleaning up : Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections : For disposal see section 13.

7. Handling and Storage

Precautions for safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage, including any incompatibilities : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s) : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls**

Appropriate engineering : General industrial hygiene practice.

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: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.**Body Protection**

: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

: Respiratory protection is not required.

9. Physical and Chemical Properties**Appearance**

: White powder

Odor

: No data available

pH

: 5.0 - 7 at 180 g/l at 25 °C

Melting point/freezing point

: 119 - 121 °C

Initial boiling point and boiling range

: No data available

Flash Point

: No data available

Vapor pressure

: No data available

Vapor density

: No data available

Relative density

: No data available

Solubility in water

: 180 g/l at 20 °C

Solubility (other)

: No data available

Formula: C₁₂H₂₂O₁₁ · H₂O**Molecular Weight**

: 360.31 g/mol

10. Stability and Reactivity**Reactivity**

: No data available

Chemical stability

: Stable under recommended storage conditions.

Possibility of hazardous reactions

: No data available

Conditions to avoid

: No data available

Incompatible materials

: Strong oxidizing agents

Hazardous decomposition products

: No data available

MATERIAL SAFETY DATA SHEET**Product Name:** D-(+)-Maltose monohydrate**CAS No.:** 6363-53-7**Version:** 0**11. Toxicological Information****Information on toxicological effects**

Acute toxicity	:	No data available
Skin corrosion/irritation	:	No data available
Serious eye damage/eye irritation	:	No data available
Respiratory or skin sensitization	:	No data available
Germ cell mutagenicity	:	No data available
Carcinogenicity	:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity	:	No data available
Specific target organ toxicity - single exposure	:	No data available.
Specific target organ toxicity - repeated exposure	:	No data available
Aspiration hazard	:	No data available
Potential health effects		
Inhalation	:	No data available
Ingestion	:	No data available
Skin	:	No data available
Eyes	:	No data available
Signs and Symptoms of Exposure	:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity	:	No data available
Persistence and degradability	:	No data available
Bioaccumulative potential	:	No data available
Mobility in soil	:	No data available
Other adverse effects	:	No data available

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- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Contaminated packaging** : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT			Not dangerous goods		
IMDG			Not dangerous goods		
IATA			Not dangerous goods		

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date** :01/08/2014**Version** : 0

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