

4-Methylumbelliferyl b-D-glucuronide trihydrate: sc-290446



The Power to Question

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Product Name: 4-Methylumbelliferyl b-D-glucuronide trihydrate
Catalog Number: sc-290446
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, California 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255
(1-800-CHEMCALL) or call +613 9573 3112

2. COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Formula:	Molecular weight:	CAS Number:	EINECS Number:
$C_{16}H_{16}O_9 \cdot 3H_2O$	406.34	199329-67-4	228-186-0

3. HAZARDS IDENTIFICATION

The toxicological properties of this material have not been fully investigated.
Not a hazardous substance or preparation according to EC-Directives 67/548/EEC or 1999/45/EC.

Target organs: None.

Potential health effects:

Eye:	May cause eye irritation.
Skin:	May cause skin irritation. May be harmful by skin absorption.
Ingestion:	May be harmful if swallowed.
Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Chronic:	No information found.

4. FIRST AID MEASURES

Eye contact:	Immediately flush eye with copious amounts of water for at least 15 minutes. Get medical aid immediately.
Skin contact:	Get medical aid. Immediately wash skin with soap and copious amounts of water. Wash contaminated clothing before reuse.
Inhalation:	Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical aid.

Ingestion: Wash out mouth with water provided person is conscious.
Call a physician.
Notes to Physician: Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Personal precautions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing media: In case of fire use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

6. ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid dust formation. Do not let product enter drains.

7. HANDLING AND STORAGE

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.
Storage: Store in a tightly closed container. Store in a dry cool area. **Freeze. Keep cold. Store below -10 °C.** Protect from light. Protect from humidity (material is hygroscopic).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection equipment:
Eyes protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations.
Skin protection: Wear appropriate protective gloves to prevent skin exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.
Molecular formula: $C_{16}H_{16}O_9 \cdot 3H_2O$
Molecular weight: 406.34 g/mol
Solubility: Slightly soluble in water.

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Incompatible materials, light, moisture.
Incompatibilities with other materials:	Strong oxidizing agents, strong acids.
Hazardous decomposition products:	Carbon oxides.
Hazardous polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

RTCS #: Data not available.

LD50/LC50: Data not available.

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

Chronic exposure:

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.

Potential health effects:

Eye:	May cause eye irritation.
Skin:	May cause skin irritation. May be harmful by skin absorption.
Ingestion:	May be harmful if swallowed.
Inhalation:	May be harmful if inhaled. May cause respiratory tract irritation.
Chronic:	No information found.

12. ECOLOGICAL INFORMATION

Data not yet available.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

European/ International Regulations: European Labelling in Accordance with EC Directives.

Hazard Symbols:

R- phrases:

Data not available.

S- phrases:

S22
S24/25

Do not breathe dust.
Avoid contact with skin and eyes.

16. ADDITIONAL INFORMATION

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

6/8/2011