

2-Deoxy-D-glucose 6-phosphate sodium salt: sc-220734



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:

2-Deoxy-D-glucose 6-phosphate sodium salt

Catalog Number:

sc-220734

Supplier:

Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 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:
C6H12O8P.Na	266.12	33068-19-8	-

3. HAZARDS IDENTIFICATION

Target organs: Eyes. Nerves. Kidneys. Liver. Heart.

Potential health effects:

Eye:	Cause eye irritation.
Skin:	Cause skin irritation. Harmful by skin absorption.
Ingestion:	Harmful if swallowed.
Inhalation:	Harmful if inhaled. Vapor or mist is irritating to mucous membranes and upper respiratory tract.

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 carbon dioxide, dry chemical powder, or appropriate foam.
Unusual fire & explosion hazards:	Emits toxic fumes under fire conditions.

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.

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 at -20 °C.

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.

Respiratory protection: Follow the OSHA respirator regulations as European Standard EN 149 approved respirator when necessary. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Engineering controls: Use only in a chemical fume hood. Safety shower and eye bath.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid.

Appearance: White.

Molecular formula: $C_6H_{12}O_8P.Na$

Molecular weight: 266.12 g/mol

10. STABILITY AND REACTIVITY

Chemical stability: Stable.

Conditions to avoid: Data not available.

Incompatibilities with other materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, sodium/sodium oxides.

Hazardous polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

RTCS #: Data not available.

Potential health effects:

Eye: Cause eye irritation.

Skin: Cause skin irritation. Harmful by skin absorption.

Ingestion: Harmful if swallowed.

Inhalation: Harmful if inhaled. Vapor or mist is irritating to mucous membranes and upper respiratory tract.

Target organs or systems:

Liver. Damage to the eyes. Damage to the liver. Damage to the heart. Damage to the kidneys. Kidneys. Nerves. Eyes.

Signs and symptoms of exposure:

Damage to the eyes. Damage to the liver. Damage to the heart. Damage to the kidneys. Gastrointestinal disturbances. Nausea, headache, and vomiting. Narcotic effect.

Exposure can cause:

Warning: contains methanol.

May be fatal or cause blindness if swallowed. Cannot be made non-poisonous. May cause convulsions. Can cause CNS depression.

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

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: T – Toxic.

R- phrases:

R23/24/25 Toxic by inhalation, in contact with skin and if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.

S- phrases:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Country Specific Information:

Germany: WGK: 3 Self-classification.

Caution: Substance not yet fully tested (EU).

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.

11/19/2010