

D-Sedoheptulose-7-phosphate barium salt: sc-285389



The Power to Question

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Product Name: D-Sedoheptulose-7-phosphate barium salt
Catalog Number: sc-285389
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

Chemical formula: C₇H₁₃O₁₀P • 2Ba
Molecular weight: 562.81
CAS No.: 2646-35-7

3. HAZARDS IDENTIFICATION

Health hazards.

Harmful by inhalation, in contact with skin and if swallowed.

4. FIRST AID MEASURES

Eye contact: Immediately flush eyes with water for at least 15 minutes, lifting eyelids during flushing to facilitate irrigation. Get medical attention if necessary.
Skin contact: Immediately wash skin with soap and water while removing contaminated clothing.
Inhalation: Remove person from contaminated atmosphere to fresh air.
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Get medical attention.

5. FIRE-FIGHTING MEASURES

Flash point: NA.
Suitable extinguishing media: Water, carbon dioxide, dry chemical powder or appropriate foam.
Special fire fighting procedures: Wear self-contained breathing apparatus and protective clothing.
Unusual fire and explosions hazards: Fire may produce toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.

Method for cleaning up: Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Storage: Keep tightly closed. **Store at - 20°C.**
Handling: Do not breathe dust. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air purifying respirators are appropriate use a dust mask type N95 (US) or P1 (EN143) respirator.
Ventilation: Mechanical exhaust required.
Protective gloves: Use protective gloves and clothing.
Eye protection: Use chemical goggles.
Other protective clothing or equipment: Safety shower and eye bath.
Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: solid
Chemical formula: $C_7H_{13}O_{10}P Ba_2$
Molecular weight: 562.81

10. STABILITY AND REACTIVITY

Stability: Stable.
Incompatibility (materials to avoid): Strong oxidizing agents.
Hazardous decomposition or byproducts: Data not available.
Hazardous polymerisation: Will not occur.

11. TOXICOLOGICAL INFORMATION

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

Route of exposure:
Skin Contact: May cause skin irritation.
Skin Absorption: Harmful if absorbed through skin.
Eye Contact: May cause eye irritation.
Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. Harmful if inhaled.
Ingestion: Harmful if swallowed.
Target organ information: Eyes. Liver. Kidneys. Heart. Central nervous system.

12. ECOLOGICAL INFORMATION

Data not available.

13. DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport.

15. REGULATORY INFORMATION

Classification and labeling according to EU directives

Indication of danger: Xn

Harmful.

R-phrases:

20/21/22-40/20/21/22

Harmful by inhalation, in contact with skin and if swallowed.

Harmful: possible risk of irreversible effects through inhalation, in contact with skin, and if swallowed.

S-phrases:

36/37

Wear suitable protective clothing and gloves.

Caution: substance not yet fully tested (EU).

Country specific information

Germany

WGK: 3

Self-Classification

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.