

D-Allose: sc-218012



The Power to Question

MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: D-Allose
Product Number: sc-218012
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. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The substance is not classified according to the Globally Harmonized System (GHS).

Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Not applicable

Information concerning particular hazards for human and environment

Not applicable

Label elements

Labeling according to EU guidelines:

Observe the general safety regulations when handling chemicals

HMIS Rating

Health	1
Flammability	1
Reactivity	1

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: β -D-Allopyranose, β -D-Allose
Formula: C₆H₁₂O₆
Molecular Weight: 180.16
CAS-No.: 2595-97-3
EC-No.: 219-994-4

4. FIRST AID MEASURES

Description of first aid measures

If inhaled

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.

In case of skin contact

Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice.

In case of eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

If swallowed

Seek medical treatment.

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

In case of fire, the following can be released: Carbon monoxide and carbon dioxide

Advice for firefighters

Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation.

Environmental precautions:

Do not allow material to be released to the environment without proper governmental permits.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

Precautions for safe handling

Keep container tightly sealed. Store in cool, dry place in tightly closed containers. No special precautions are necessary if used correctly.

Information about protection against explosions and fires

Keep ignition sources away.

Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles

No special requirements.

Information about storage in one common storage facility

Store away from oxidizing agents.

Further information about storage conditions

Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Store at room temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical systems

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Control parameters

Components with limit values that require monitoring at the workplace

Not required.

Additional information: No data

Exposure controls

Personal protective equipment

The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work.

Respiratory protection

Use suitable respirator when high concentrations are present.

Skin protection

Impervious gloves. Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.

Eye protection

Safety glasses

Body protection

Protective work clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder	Odor	Not determined
Odor threshold	Not determined	pH-value	Not determined
Melting point/range	148-150° C	Boiling point/range (14 mmHg)	Not determined
Sublimation temperature / start	Not determined	Flash point	Not determined
Flammability (solid, gaseous)	Not applicable.	Ignition temperature	Not determined
Decomposition temperature	Not determined	Auto igniting	Not determined
Danger of explosion	None	Lower explosion limits	Not determined
Upper explosion limits	Not determined	Vapor pressure	Not determined
Density (20°C)	Not determined	Relative density	Not determined
Vapor density	Not determined	Evaporation rate	Not determined
Solubility in Water	Soluble	Dynamic Viscosity	Not determined
Kinematic Viscosity	Not determined	Partition coefficient (n-octanol/water)	Not determined

10. STABILITY AND REACTIVITY

Chemical stability

Thermal decomposition / conditions to be avoided

Decomposition will not occur if used and stored according to specifications.

Possibility of hazardous reactions

No dangerous reactions known

Incompatible materials

Oxidizing agents

Hazardous decomposition products

Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Primary irritant effect

on the skin: May cause irritation

on the eye: May cause irritation

Sensitization

No sensitizing effects known.

Subacute to chronic toxicity

Other than potential irritation (see above), no information on illness or injury to humans from acute or chronic exposure to this product is available.

Carcinogenicity

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

Additional toxicological information

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

12. ECOLOGICAL INFORMATION

Toxicity

no data available

Bioaccumulative potential

no data available

PBT and vPvB assessment

no data available

Persistence and degradability

no data available

Mobility in soil

no data available

Other adverse effects

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Do not allow material to be released to the environment without proper governmental permits.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Consult state, local or national regulations to ensure proper disposal.

Uncleaned packagings

Disposal must be made according to official regulations.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

ADR/RID

Not dangerous goods

Special precautions for user

Not applicable.

Transport/Additional information

Not dangerous according to the above specifications.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Product related hazard informations

Observe the general safety regulations when handling chemicals

National regulations

This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted to research and development only.

Some or all of the components of this product are not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL).

Information about limitation of use

For use only by technically qualified individuals.

Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. OTHER 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.

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