



Discovery Fine Chemicals Limited
Unit 4 A, Old Forge Road, Ferndown Ind. Estate
Wimborne, Dorset. BH21 7RR .United Kingdom

Tel: +44 (0)1202 874517 Fax +44 (0)845 094 4385
Email: pjc@discofinechem.com
Web: www.discofinechem.com

Registered in England No. 5971945
VAT No GB 896 9965 19

MATERIAL SAFETY DATA SHEET

1,2:5,6-Di-O-isopropylidene-a-D-gulofuranose

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: 1,2:5,6-Di-O-isopropylidene-a-D-gulofuranose Date: 18th April 2017 Version: Discofinechem4

Company: Discovery Fine Chemicals Ltd
Unit 4A Old Forge Road, Ferndown Ind. Estate
Wimborne Dorset BH21 7RR
United Kingdom

Telephone: +44 (0)1202 874517
Fax: +44 (0)845 0944 385
E-mail: info@discofinechem.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Hazard Statements: None

Precautionary Statements

P261 Avoid breathing dust

P281 Use personal protective equipment as required.

R Phrases: None

S Phrases:

S.22 Do not breathe dust

S.24/25 Avoid contact with skin and eyes

The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other hazards - none

The toxicological properties of this material have not been fully investigated.

This substance is not classified as dangerous according to Directive 67/548/EEC.

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.

3. 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.

4. 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.

Unusual fire & explosion hazards: Emits toxic fumes under fire conditions.

5. 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.

6. 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 4°C Long Term

7. 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.

8. PHYSICAL AND CHEMICAL PROPERTIES

8.1 Information on basic physical and chemical properties

- a) Appearance Form: solid, Colour: white – off white
- b) Odour - no data available
- c) Odour Threshold - no data available
- d) pH - no data available
- e) Melting point/freezing point - no data available
- f) Initial boiling point and boiling range - no data available
- g) Flash point - no data available
- h) Evaporation rate - no data available
- i) Flammability (solid, gas) - no data available
- j) Upper/lower flammability or explosive limits - no data available
- k) Vapour pressure - no data available
- l) Vapour density - no data available
- m) Relative density - no data available
- n) Water solubility - no data available
- o) Partition coefficient: noctanol/water - no data available
- p) Autoignition temperature - no data available
- q) Decomposition temperature - no data available
- r) Viscosity - no data available
- s) Explosive properties - no data available
- t) Oxidizing properties - no data available

8.2 Other safety information - no data available

9. STABILITY AND REACTIVITY

Chemical stability: Stable under recommended storage conditions.

Conditions to avoid: Data not available.

Incompatibilities with other materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides.

Hazardous polymerization: Data not available.

10. 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.

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.

11. ECOLOGICAL INFORMATION

Data not yet available.

12. DISPOSAL CONSIDERATIONS

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

13. TRANSPORT INFORMATION

Not classified as hazardous for transport.

14. REGULATORY INFORMATION

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

Hazard Symbols: -

R- phrases: - Data not available.

S- phrases: - Data not available.

15. ADDITIONAL INFORMATION

Text of H-code(s) and R-phrase(s) mentioned in Section 2

Does not apply

WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product.

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