



Moringa Bio Organics

MATERIAL SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name : β -L-Ribofuranose 1,2,3,5-tetra-O-acetate

Product Number : 86562

Supplide By: Moringa Bio Organics

CAS-No. : 144490-03-9

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Company : **Moringa Bio Organics.**

Plot No-24, Road No-5

ALEAP Industrial Estate

Pragati Nagar

Hyderabad-500090, India

Web: <https://moringabioorganics.com>

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

2.2 Label elements

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

2.3 Other hazards - none

SECTION 3: Composition/information on ingredients

3.1 Substances

Synonyms : 1,2,3,5-Tetra-O-acetyl- β -L-ribofuranose

Formula : C₁₃H₁₈O₉

Molecular weight : 318,28 g/mol

CAS-No. : 144490-03-9

No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

4.1 Description of first-aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.



Moringa Bio Organics

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.



Moringa Bio Organics

7.1 Precautions for safe handling

Advice on protection against fire and explosion

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Hygiene measures

General industrial hygiene practice.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class

Storage class (TRGS 510): 13: Non Combustible Solids

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with workplace control parameters

8.2 Exposure controls

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0,11 mm



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.



Moringa Bio Organics

c) Odor	No data available
d) Melting point/freezing point	Melting point/range: 80 - 83 °C
e) Initial boiling point and boiling range	No data available
f) Flammability (solid, gas)	No data available
g) Upper/lower flammability or explosive limits	No data available
h) Flash point	No data available
i) Autoignition temperature	No data available
j) Decomposition temperature	No data available
k) pH	No data available
l) Viscosity	Viscosity, kinematic: No data available Viscosity, dynamic: No data available
m) Water solubility	No data available
n) Partition coefficient: n-octanol/water	No data available
o) Vapor pressure	No data available
p) Density	No data available
Relative density	No data available
q) Relative vapour density	No data available
r) Particle characteristics	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.



Moringa Bio Organics

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral: No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

Reproductive toxicity

No data available



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.



Moringa Bio Organics

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Additional Information

No data available

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.



Moringa Bio Organics

14.1 UN number

ADR/RID: - IMDG: - IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

Further information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

International Chemical Weapons Convention:

(CWC) Schedules of Toxic Chemicals and
Precursors

Restrictions on the marketing and use of certain:
dangerous substances

Regulation (EC) No 649/2012 of the European:

Parliament and the Council concerning the
export and import of dangerous chemicals

Candidate List of Substances of Very High:
Concern for Authorisation



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati
Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.



Moringa Bio Organics

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out



+91 9392903662



info@moringabioorganics.com



www.moringabioorganics.com



Plot No-24, Road No-5, ALEAP Industrial Estate, Pragati Nagar, Medchal Malkagiri (Dt), Hyd-90, Telangana.