

Trade Name: Monobutyrim

MATERIAL SAFETY DATA SHEET

according to 878/2020/EU

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

1.1 Product identifier

Trade Name: Monobutyrim

Chemicals Name: 2,3-dihydroxypropyl ester

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

Identified use : Raw material for animal nutrition according to COMMISSION REGULATION (EU) 2022/1104 of 1 July 2022 amending Regulation (EU) No 68/2013 on the Catalogue of feed materials

1.3 Details of the supplier of the safety data sheet

Company Name: Tianjin Huge Roc Enterprises Co., Ltd

Company Address: Huijin Center, 65 Dagu North Road, Heping District, Tianjin, China

Post Code: 300041

Tel : +86 13602030663

Email Address: sale6@hugeroc.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 The substance is not classified as hazardous to health or the environment according to CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable

Information concerning particular hazards for human and environment: Not applicable

Other hazards that do not result in classification: No information known.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008: Not applicable

Hazard pictograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

2.3 Other hazards

vPvB: Not applicable

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SECTION 3: Composition/information on ingredients

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3.1 Mixture

Monobutyrim CAS# 557-25-5

Trade Name: Monobutylin

Dibutylin CAS# 32648-01-4

Tributylin CAS# 60-01-5

Glycerol CAS# 56-81-5

SECTION 4: First aid measures**4.1 Description of first aid measures**

After inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact: Instantly wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult doctor.

After swallowing: Rinse mouth and drink a glass of water. Do not induce vomiting. If symptoms persist, consult a physician.

4.2 Most important symptoms and effects, both acute and delayed: No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: No further relevant information available.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture:

If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide.

5.3 Special fire fighting procedures:

Wear full protective clothing and self-contained breathing apparatus (SCBA).

SECTION 6: Accidental spill measures**6.1 Personal precautions:**

Keep personnel away from the clean-up area. Wear appropriate personal protective equipment as specified in Section 8. Avoid generation of dust during clean-up.

6.2 Environmental precautions:

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

6.3 Spill response/clean up:

All spills should be handled according to site requirements and based on precautions cited in the MSDS.

In the case of liquids, use proper absorbent materials. In manufacturing and large-scale operations, HEPA vacuuming prior to wet mopping or cleaning is required.

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6.4 Reference to other sections:

See Section 7 for information on safe handling.

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See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Keep containers tightly sealed. Store in cool, dry place in tightly closed containers.

Information about protection against explosions and fires: No information known.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and containers: 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.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with critical values that require monitoring at the workplace: No required.

Additional information: No data.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures: Wash hands during breaks and at the end of work. Maintain an ergonomically appropriate working environment.

Personal of hands: Check protective gloves prior to each use for their proper condition.

Material of gloves: Impervious gloves

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General information

Appearance:

Form: liquid

Colour: Pale yellow

Odor: Not determined

pH value: Not determined

Change in condition

Melting point/Melting range: Not determined

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Boiling point/Boiling range: 153 °C

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Sublimation temperature/start: Not determined

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Flash point: Not determined

Inflammability (solid, gaseous): Not determined

Ignition temperature: Not determined

Decomposition temperature: Not determined

Self-inflammability: Not determined

Danger of explosion: Product is not explosive.

Critical values for explosion:

Lower: Not determined

Upper: Not determined

Steam pressure: Not determined

Density at 20°C: Not determined

Relative density: Not determined

Vapour density: Not determined

Evaporation rate: Not determined

Solubility in/ Miscibility with Water: Not miscible or difficult to mix

Partition coefficient(n-octanol/water): Not determined

Viscosity

Dynamic: Not determined

Kinematic: Not determined

9.2 Other information

No further relevant information available

SECTION 10: Stability and reactivity

10.1 Reactivity: No information known

10.2 Chemical stability: Stable under recommended storage conditions.

Thermal decomposition/conditions to be avoided:

No decomposition if used and stored according to specifications

10.3 Possibility of hazardous reactions: No dangerous reactions known.

10.4 Incompatible materials: Oxidizing agents.

10.5 Hazardous decomposition products: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: No information known.

LD/LC50 values that are relevant for classification: No data.

Skin irritation or corrosion: May cause irritation.

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Eye irritation or corrosion: May cause irritation.

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Sensitization: No sensitizing effect known.

Germ cell mutagenicity: No effect known.

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

Reproductive toxicity: No effect known.

Specific target organ system toxicity-repeated exposure: No effect known.

Specific target organ system toxicity-single exposure: No effect known.

Aspiration hazard: No effect known.

Other information(about experimentatoxicology):No effect known.

Additional toxicological information:

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

SECTION 12: Ecological information**12.1 Toxicity**

Aquatic toxicity:No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

2.4 Mobility in soil

No further relevant information available.

Additional ecological information**General notes:**

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

Generally not hazardous for water.

12.5 Results of PBT and VPVB assessment

PBT: Not applicable.

vPvB:Not applicable.

12.6 Other adverse effects

No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

Recommendation:Hand over to disposers of hazardous waste.Must be specially treated under adherence to official regulations.Consult state,local or national regulations for proper disposal.

Uncleaned packagings:

Recommendation:Disposal must be made according to official regulations.

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SECTION 14: Transport information

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14.1 UN-Number

Trade Name: Monobutyrim

ADR, IMDG, IATA: None.

14.2 UN proper shipping name

ADR,IMDG,IATA:None.

14.3 Transport hazard class(es)

ADR,IMDG,IATA

Class:None.

Packing group

ADR,IMDG,IATA:None.

14.5 Environmental hazards:Not applicable.

14.6 Special precautions for user:Not applicable.

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

Code:Not applicable.

Transport/Additional information:Not dangerous according to the above specifications.

SECTION 15: Regulatory information

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

Australian Inventory of Chemical

Substances:Substance is listed.

Standard for the Uniform Scheduling of Drugs and Poisons:Substance is not listed.

National regulations

Information about limitation of use:For use only by technically qualified individuals.

Water hazard class:Generally not hazardous for water.

Other regulations, limitations and prohibitive regulations ELINCS(European List of Notified Chemical Substances):Substance is not listed.

Substances of very high concern (SVHC) according to REACH, Article 57:Substance is not listed.

REACH -Pre-registered substances:Substance is listed.

15.2 Chemical safety assessment:A hemical Safety Assessment has not been carried out.

SECTION 16: Other information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.