

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Product name: Malformin A1

Product code: BLK1260

CAS No.: 3022-92-2

Recommended use: For research use only. Not for human or veterinary use.

Company: Biolinks k.k.

Address: 2-12-5-710 Minamioi, Shinagawa-ku, Tokyo 140-0013, Japan

Telephone: +81-3-5767-6821

Email: info@biolinks.co.jp

Emergency telephone: +81-3-5767-6821

2. Hazards identification

Classification (GHS):

Acute toxicity, Oral (Category 3)

Acute toxicity, Dermal (Category 3)

Acute toxicity, Inhalation (Category 3)

Signal word: Danger

Hazard statements:

H301 Toxic if swallowed.

H311 Toxic in contact with skin.

H331 Toxic if inhaled.

Precautionary statements:

P261 Avoid breathing dust.

P280 Wear protective gloves, protective clothing, eye protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P302+P352 IF ON SKIN: Wash with plenty of water.

P304+P340 IF INHALED: Remove person to fresh air.

Other hazards: Highly biologically active compound.

3. Composition/information on ingredients

Component: Malformin A1

CAS No.: 3022-92-2

Molecular Formula: C₂₃H₃₉N₅O₅S₂

Molecular Weight: 529.72

Purity: ≥95%

4. First aid measures

Seek immediate medical attention.

If inhaled: Remove to fresh air.

If on skin: Wash thoroughly.

If in eyes: Rinse for 15 minutes.

If swallowed: Do NOT induce vomiting.

5. Firefighting measures

Water spray, CO₂, dry chemical powder, foam.

Decomposition: CO, CO₂, NO_x, SO_x.

6. Accidental release measures

Avoid dust formation. Wear respirator and protective equipment.

Collect and dispose as hazardous waste.

7. Handling and storage

Use in certified chemical fume hood.

Store at -20°C.

Avoid oxidizing agents.

8. Exposure controls/personal protection

Fume hood required.

Respirator (P3), nitrile gloves (double), goggles, lab coat.

9. Physical and chemical properties

Appearance: Powder

Molecular formula: C₂₃H₃₉N₅O₅S₂

Molecular weight: 529.72

Solubility: 1 mg/mL in DMSO

10. Stability and reactivity

Stable under recommended storage conditions.

11. Toxicological information

Toxic by ingestion, inhalation, and skin absorption.

12. Ecological information

Avoid environmental release.

13. Disposal considerations

Dispose as hazardous chemical waste.

14. Transport information

UN number: UN 2811

UN proper shipping name: Toxic solid, organic, n.o.s. (Malformin A1)

Transport hazard class: 6.1

Packing group: III

15. Regulatory information

Subject to hazardous materials transport regulations.

16. Other information

Revised to reflect UN 2811 classification.