



Material Safety Data Sheet (MSDS)

1. IDENTIFICATION

Product Name: Melatonin

Chemical name: N-Acetyl-5-methoxytryptamine

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

No data available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Registration No.	CAS No.	EC No.
Melatonin	N/A	73-31-4	N/A

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: Do not induce vomiting without medical advice.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam

Specific hazards: Burning produces irritant fumes.



Unusual hazards: None known

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers.

Flash point: Not determined

Autoignition temperature: Not determined.

NFPA rating:

NFPA Health: 1 NFPA Flammability: 1 NFPA Reactivity: 0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains.

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling: Technical measures: Processing in closed systems. Avoid dust formation; consider dust explosion hazard. Take precautionary measures against electrostatic charging. Local exhaust ventilation Necessary.

Suitable materials: stainless steel, aluminum, glass, polyethylene.

Storage: Storage conditions: cool, protected from light, protected from humidity.

Validity: 24 months at room temperature in the unopened original container, after opening the container, the contents should be used within a short period.

Packaging materials: tightly closing, PE bag, cardboard drum, aluminum foil bag.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation.

Personal Protective Equipment

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: PVC or other plastic material gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES



Physical state and appearance: Solid.

Odor: Not available.

Taste: Not available.

Molecular Weight: 232.28 g/mole

Color: Not available.

pH (1%soln/water): Not available.

Boiling Point: Not available.

Melting Point: 117°C(242.6°F)

11. TOXICOLOGICAL INFORMATION

Product Information

Primary irritation: No data is available on the product itself.

Carcinogenic effects: No data is available on the product itself.

Mutagenic effects: No data is available on the product itself.

Reproductive toxicity: No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Mobility: No data available

Bioaccumulation: No data available

Ecotoxicity effects: No data available

Aquatic toxicity: May cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging: Do not re-use empty containers

14. TRANSPORT INFORMATION

Not regulated

15. Regulatory Information

No data available



16. OTHER INFORMATION

Prepared by: Health & Safety

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