



# NEWAY SINOPHC TECH. LIMITED

ADD:RM. 204, BUILDING 3, NO. 188, AONA RD., CHINA (SHANGHAI) PILOT FREE TRADE ZONE.  
Email:marketing01@newayphc.com; Phone:+86-021-50350029 <https://www.newayphc.com>

## Safety Data Sheet (MSDS)

Revision Date: 20 FEB 2026 Comply with GHS, GB/T 16483, GB/T 17519

### 1. Identification

- Product Name: Melatonin Hydrochloride
- CAS: 86347-14-0
- Formula:  $C_{13}H_{16}N_2O_2 \cdot HCl$
- Recommended use: Dietary supplement / API / research chemical
- Supplier: NEWAY SINOPHC TECH. LIMITED
- Emergency Tel: +86-21-50350029

### 2. Hazards Identification

- GHS Classification:
  - Skin Irritation (Cat 2)
  - Serious Eye Damage/Irritation (Cat 2)
- Signal Word: WARNING
- H315: Causes skin irritation
- H319: Causes serious eye irritation

### 3. Composition

Pure substance: Melatonin Hydrochloride 100%

### 4. First Aid Measures

- **Inhalation:** Remove to fresh air; rest.
- **Skin:** Wash with soap and water  $\geq 5$  min.
- **Eyes:** Rinse cautiously with water for 15 min; seek medical advice.
- **Ingestion:** Rinse mouth; do NOT induce vomiting; call a physician.

### 5. Fire Fighting Measures

- Non-flammable under normal conditions.
- Extinguishing media:  $CO_2$ , dry powder, foam, water spray.
- Hazardous decomposition:  $NO_x$ , HCl, CO,  $CO_2$ .
- Protection: Self-contained breathing apparatus.

### 6. Accidental Release

- Evacuate unnecessary personnel.
- Wear gloves, goggles, dust mask.
- Collect with dry absorbent; place in sealed container.
- Prevent entry into drains.

### 7. Handling & Storage

- Handling: Ventilation; avoid dust; PPE; no eating/smoking.
- Storage: Cool, dry, dark;  $\leq 25^\circ C$ ; sealed.
- Incompatibility: Strong oxidizing agents, strong bases.

### 8. Exposure Controls



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- Respiratory: N95 mask if dusty.
- Eyes: Safety goggles.
- Hands: Nitrile gloves.
- Engineering: Local exhaust ventilation.

### 9. Physical & Chemical Properties

- Appearance: White to off-white powder
- Solubility: Freely soluble in water, soluble in methanol/ethanol
- Melting range: 145–155°C
- pH: 3.0–5.0 (1% soln)
- Odor: Slight characteristic odor

### 10. Stability & Reactivity

- Stable under normal conditions.
- Avoid: Heat, moisture, strong light, oxidizers.

### 11. Toxicological Information

- Low acute oral toxicity.
- Skin/eye irritant.
- No known mutagenicity, carcinogenicity under normal use.

### 12. Ecological Information

- Low toxicity to aquatic organisms.
- Biodegradable.
- Not classified as hazardous to environment.

### 13. Disposal

- Dispose as general or non-hazardous waste according to local regulations.
- Do not release into environment.

### 14. Transport Information

- UN Number: Not regulated
- Transport Class: Not dangerous goods
- No special transport conditions.

### 15. Regulatory

- Complies with food/health supplement regulations in major markets.
- GHS, REACH, DSHEA applicable.

### 16. Other Information

For professional industrial and laboratory use only. Version: 1.0 Date: 20 FEB 2026