



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)

Complies with GB/T 16483, GB/T 17519, GHS Rev.9 **Revision Date:** 26 FEB 2026

SECTION 1: Identification

1.1 Product Identification

- Name: Dibucaine Hydrochloride
- Synonyms: Nupercaine Hydrochloride, Cincaïne HCl
- CAS: 22616-39-1
- Formula: $C_{20}H_{29}N_3O_2 \cdot HCl$
- MW: 379.93 Da

1.2 Supplier

- Company: NEWAY SINOPHC TECH. LIMITED
- Address: RM.204, BLDG 3, 188 AONA RD., SHANGHAI FTZ, CHINA
- Tel: +86-021-50350029

1.3 Emergency Telephone: +86-021-50350029

1.4 Recommended Use: Pharmaceutical raw material (long-acting topical anesthetic); research reagent. Restriction: Not for oral ingestion; not for unformulated injection.

SECTION 2: Hazards Identification

GHS Classification:

- Acute oral toxicity (Cat.4)
- Skin irritation (Cat.2)
- Serious eye irritation (Cat.2)
- Specific target organ toxicity (single): CNS (Cat.2)

Signal word: **Warning** Hazard Statements: H302, H315, H319, H371

SECTION 3: Composition / Information on Ingredients

Pure substance: Dibucaine Hydrochloride 100%

SECTION 4: First Aid Measures

- **Inhaled:** Move to fresh air, keep warm and at rest; administer oxygen if breathing is difficult.
- **Skin contact:** Remove contaminated clothing; wash thoroughly with soap and water for 5–10 minutes.
- **Eye contact:** Rinse continuously with running water for at least 15 minutes; consult an ophthalmologist immediately.
- **Ingested:** Do NOT induce vomiting; rinse mouth; call a poison center or doctor at once.

SECTION 5: Firefighting Measures

- Suitable extinguishing media: Water spray, dry powder, CO_2 , foam.
- Hazardous combustion products: CO_2 , H_2O , nitrogen oxides, HCl.
- Protection: Firefighters must wear self-contained breathing apparatus and full protective clothing.

SECTION 6: Accidental Release Measures



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- Personal precautions: Wear N95 respirator, goggles, nitrile gloves; evacuate non-essential personnel.
- Environmental precautions: Prevent spill from entering drains, rivers or soil.
- Cleanup: Contain with sand/vermiculite; collect into sealed hazardous waste container.

SECTION 7: Handling and Storage

- Handling: Use in well-ventilated area; avoid dust generation; wear full PPE; no eating, drinking or smoking.
- Storage: Cool, dry, dark; $\leq 25^{\circ}\text{C}$; tightly sealed; keep away from strong acids, bases and oxidizing agents.
- Shelf life: 36 months unopened; 6 months after opening.

SECTION 8: Exposure Controls / Personal Protection

- OEL: 5 mg/m^3 (8h TWA); 15 mg/m^3 (15min STEL)
- Eye/Face: Chemical goggles + face shield
- Skin: Nitrile gloves ($\geq 0.18\text{ mm}$), lab coat
- Respiratory: N95 respirator for normal use; PAPR for dust exposure

SECTION 9: Physical and Chemical Properties

- Appearance: White to off-white crystalline powder
- Melting point: $96\text{--}100^{\circ}\text{C}$
- pH (1% soln): 4.5–6.5
- Solubility: Freely soluble in water; soluble in ethanol, methanol
- Density: $1.12\text{--}1.16\text{ g/cm}^3$
- Non-flammable, non-explosive

SECTION 10: Stability and Reactivity

- Stable under recommended storage conditions.
- Incompatible with strong oxidizing agents, strong bases, heavy metal salts.
- Decomposes at $>200^{\circ}\text{C}$.

SECTION 11: Toxicological Information

- Oral LD_{50} (rat): $\sim 300\text{ mg/kg}$
- Skin and eye irritant (Category 2)
- High doses may cause CNS depression, convulsions
- Non-mutagenic, non-carcinogenic

SECTION 12: Ecological Information

Low toxicity to aquatic organisms; readily biodegradable; low bioaccumulation potential; not PBT/vPvB.

SECTION 13: Disposal Considerations

Dispose as hazardous waste via licensed incineration ($\geq 800^{\circ}\text{C}$) with flue gas treatment. Do not landfill.

SECTION 14: Transport Information



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- UN number: 3077
- Class: 9 (Miscellaneous dangerous goods)
- Packaging Group: III
- Proper shipping name: Environmentally hazardous substance, solid, n.o.s.

SECTION 15: Regulatory Information

Complies with GHS, REACH, TSCA, USP/EP/BP, and Chinese hazardous chemical regulations.

SECTION 16: Other Information

For professional industrial / pharmaceutical use only.Revision: First versionDate: 26 FEB 2026

