



# 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)

(According to GB/T 16483 and GB/T 16483; Adapts to GHS, IMDG, IATA Standards)

### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product Identifiers

- Product Name: Bupivacaine
- Product Number: BUP-20260224
- Brand: SIGALD
- CAS-No.: 2180-92-9
- Synonyms: 1-Butyl-2',6'-pipercoloxylidine; Marcaine
- Molecular Formula: C<sub>18</sub> H<sub>28</sub> N<sub>2</sub>O
- Molecular Weight: 288.43 Da

#### 1.2 Supplier Details

- Company: NEWAY SINOPHC TECH. LIMITED
- Address: RM. 204, BUILDING 3, NO. 188, AONA RD., SHANGHAI PILOT FREE TRADE ZONE, CHINA
- Tel: +86-021-50350029
- Fax: +86-021-50350029

#### 1.3 Emergency Telephone: +86-021-50350029 (CHEMTREC)

#### 1.4 Uses

- Approved Uses: Pharmaceutical raw material for long-acting injectable/topical local anesthetics; research reagent.
- Restrictions: Not for direct oral ingestion; not for unformulated intravenous injection.

### SECTION 2: Hazards Identification

Summary	White crystalline powder. Causes serious eye irritation, mild skin irritation; harmful if swallowed; may cause CNS and cardiovascular depression. Non-combustible.
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#### 2.1 GHS Classification

- Acute oral toxicity (Category 4)
- Skin irritation (Category 2)
- Serious eye irritation (Category 2)
- Specific target organ toxicity (single exposure): CNS, cardiovascular system (Category 2)

#### 2.2 Signal Word: **Warning** Hazard Statements: H302, H315, H319, H371

### SECTION 3: Composition

Pure substance: Bupivacaine 100%

### SECTION 4: First Aid Measures

- **Inhaled:** Move to fresh air, rest; give oxygen if needed.
- **Skin:** Remove contaminated clothing, wash with soap and water for 5–10 min.
- **Eyes:** Rinse continuously for 15 min; consult ophthalmologist immediately.
- **Ingested:** Do not induce vomiting; call poison center/doctor at once.

### SECTION 5: Firefighting



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Suitable media: Water spray, CO<sub>2</sub>, dry powder, foam. Thermal decomposition produces CO<sub>2</sub>, H<sub>2</sub>O, nitrogen oxides. Firefighters must wear SCBA and full protective gear.

## SECTION 6: Accidental Release Measures

Wear N95, goggles, nitrile gloves. Contain spill with sand/vermiculite; collect into sealed hazardous waste container. Prevent entry into drains or water bodies.

## SECTION 7: Handling and Storage

- Handling: Well-ventilated area; avoid dust; wear full PPE; no eating/drinking/smoking.
- Storage: Cool, dry, dark; ≤25°C; sealed; away from strong acids, bases, oxidizers.
- Shelf life: 36 months unopened; 6 months after opening.

## SECTION 8: Exposure Controls

- OEL: 5 mg/m<sup>3</sup> (8h TWA); 15 mg/m<sup>3</sup> (15min STEL)
- PPE: Chemical goggles + face shield; nitrile gloves; N95 respirator; lab coat.

## SECTION 9: Physical and Chemical Properties

- Appearance: White to off-white crystalline powder
- Melting point: 104–108°C
- pH: 6.0–8.0 (1% suspension)
- Solubility: Slightly soluble in water; soluble in ethanol, chloroform
- Non-flammable, non-explosive

## SECTION 10: Stability and Reactivity

Stable under recommended conditions. Incompatible with strong acids, strong bases, oxidizing agents, heavy metal salts.

## SECTION 11: Toxicological Information

- Oral LD<sub>50</sub> (rat): ~350 mg/kg
- Skin/eye irritant; high doses cause CNS and cardiovascular toxicity
- Non-mutagenic, non-carcinogenic

## SECTION 12: Ecological Information

Low aquatic toxicity; readily biodegradable; low bioaccumulation potential.

## SECTION 13: Disposal Considerations

Dispose as hazardous waste via licensed incineration (≥800°C). Do not landfill.

## SECTION 14: Transport Information

UN 3077, Class 9, Packaging Group III Environmentally hazardous substance, solid, n.o.s.

## SECTION 15: Regulatory Information

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

## SECTION 16: Other Information

For professional use only. Revision Date: 24 FEB 2026