



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, GB/T 17519 and Cosmetic Safety Technical Specification; Adapts to GHS, IMDG, IATA Standards)

Hair Bleaching Powder (Blue)

Revision Date: 20 FEB 2026

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

1.1 Product Identifiers

- Product Name: Hair Bleaching Powder (Blue)
- Product Number: HBP-B-20260220
- Brand: SIGALD
- CAS-No.: N/A (Composite mixture)
- Synonyms: Blue Hair Lightening Powder; Professional Hair Bleach Powder
- EINECS/EC-No.: N/A (Composite mixture)

1.2 Details of the supplier of the safety data sheet

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

1.3 Emergency telephone

- Emergency Phone #: +86-021-50350029 (CHEMTREC)

1.4 Relevant Identified Uses and Uses Advised Against

- Identified Uses: Professional hair bleaching/lightening for salons and personal use; hair color correction and highlight making.
- Uses Advised Against: Not for use on skin, eyebrows, eyelashes or other body parts; do not use on damaged/irritated/scalp with open wounds; avoid contact with eyes and mucous membranes; do not ingest; no use for non-hair cosmetic purposes.

SECTION 2: Hazards Identification

| Summary of Emergency Measures | Bright blue free-flowing fine powder. Causes serious eye damage; causes skin irritation and mild respiratory irritation; may cause allergic skin reaction in sensitive individuals. After inhalation: Move to fresh air, cough up gently, seek medical advice if irritation persists. In case of skin contact: Rinse with plenty of running water for 10 minutes, remove contaminated clothing. After eye contact: **Rinse immediately with plenty of water for 15 minutes**, hold eyelids open, call a doctor at once. After swallowing: Rinse mouth with water, do not induce vomiting; seek medical attention immediately. Non-combustible, no explosion risk. | |---|

2.1 GHS Classification

- Serious eye damage (Category 1)
- Skin irritation (Category 2)



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- Respiratory irritation (Category 3)
- Skin sensitization (Category 1)
- 2.2 GHS Label Elements
 - Hazard Pictogram: (Exclamation mark), (Eye damage)
 - Signal Word: **Danger**
 - Hazard Statements:
 - H318: Causes serious eye damage
 - H315: Causes skin irritation
 - H335: May cause respiratory irritation
 - H317: May cause an allergic skin reaction
 - Precautionary Statements:
 - P261: Avoid breathing dust/fume/gas/mist/vapors/spray
 - P264: Wash skin thoroughly after handling
 - P270: Do not eat, drink or smoke when using this product
 - P280: Wear protective gloves/eye protection/face protection/respiratory protection
 - P302+P352: If on skin: Wash with plenty of water and soap
 - P305+P351+P338+P310: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician
 - P304+P340: If inhaled: Remove person to fresh air and keep comfortable for breathing
 - P333+P313: If skin irritation or rash occurs: Get medical advice/attention
 - P362+P364: Take off contaminated clothing and wash it before reuse
 - P501: Dispose of contents/container to an approved waste disposal plant
- 2.3 Physical and Chemical HazardsNon-combustible solid; no explosive or oxidizing properties alone (oxidizing when mixed with hydrogen peroxide); no hazardous polymerization occurs; free-flowing powder, no dust explosion risk under normal use; stable under recommended storage conditions.
- 2.4 Health Hazards
 - Acute: Direct eye contact causes severe burning, redness, blurred vision and permanent eye damage; skin contact causes erythema, dryness, itching and burning; inhalation of dust causes cough, throat irritation and chest tightness; accidental swallowing causes oral/mucous membrane irritation, nausea and abdominal pain.
 - Chronic: Prolonged repeated skin contact may cause chronic dermatitis; repeated inhalation of dust may cause mild bronchitis; allergic skin reaction may occur in sensitized individuals after contact.
- 2.5 Environmental HazardsLow acute toxicity to aquatic organisms; the product is non-biodegradable but has low environmental accumulation potential; avoid direct discharge into water bodies or soil; dispose of waste according to hazardous waste regulations.

2.6 Other Hazards Reacts with strong acids to produce irritating gases; mixed with hydrogen peroxide (bleaching developer) has oxidizing properties, avoid contact with flammable materials after mixing.

SECTION 3: Composition/Information on Ingredients

- Substance / Mixture: **Composite Mixture (Cosmetic Grade)** | 3.1 Main Components | Blend of Sodium Persulfate, Potassium Persulfate, Silica, Blue Toner, Stabilizer, Anti-caking Agent | |---| ---| | Formula | Inorganic oxidants + organic/inorganic auxiliaries | | Molecular Weight | Variable (100-500 g/mol for main components) | | CAS-No.: | N/A (Composite mixture; key ingredients have individual CAS) | | EC-No.: | N/A |

表格

Hazardous Ingredients	CAS No.	Classification	Concentration (w/w)
Sodium Persulfate	7775-27-1	Skin Irrit. 2; Eye Dam. 1	40.0-50.0%
Potassium Persulfate	7727-21-1	Skin Irrit. 2; Eye Dam. 1	10.0-20.0%
Blue Toner (Cosmetic Grade)	N/A	Non-hazardous	1.0-3.0%
Silica (Anti-caking)	7631-86-9	Non-hazardous	15.0-25.0%
Stabilizer (Cosmetic Grade)	N/A	Non-hazardous	5.0-10.0%
Other Auxiliaries	N/A	Non-hazardous	Balance

SECTION 4: First Aid Measures

4.1 Description of First-Aid Measures

- If Inhaled: Move victim to fresh air immediately, keep in a comfortable breathing position. Loosen tight clothing; provide oxygen if breathing is difficult. Do not induce coughing; consult a doctor if cough, chest tightness or shortness of breath persists.
- In Case of Skin Contact: Remove all contaminated clothing, gloves and accessories immediately. Rinse affected skin with plenty of running water and mild neutral soap for at least 10 minutes. Pat dry gently; do not apply ointment or cream without medical advice. Seek medical attention if redness, blistering or burning worsens.
- In Case of Eye Contact: **Immediate and thorough flushing is critical.** Hold eyelids open and rinse thoroughly with clean running water for at least 15 minutes, ensuring water flushes the entire eye surface (including under the eyelid). Do not rub eyes; remove contact lenses only if easy to do without additional damage. **Call an ophthalmologist or emergency room immediately** regardless of symptoms.
- If Swallowed: Rinse mouth with plenty of clean water (do not swallow). Do not induce vomiting (risk of corrosive damage to esophagus). If conscious and alert, drink a small amount of water or milk to dilute; **call a POISON CENTER or doctor immediately** even if no symptoms are present.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Acute: Severe eye burning/damage, skin erythema/irritation, respiratory cough/irritation, oral/mucous membrane irritation.



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- Delayed: Skin rash/allergic reaction (24-48 hours after contact in sensitized individuals), mild skin peeling (1-2 days after contact), persistent eye redness (up to 72 hours).

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed All eye contact cases require **immediate professional medical attention**; severe skin blistering, severe respiratory distress and accidental swallowing require urgent medical treatment; no specific antidote, treat symptomatically (e.g., eye irrigation, anti-irritation medication).

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

- Suitable: Water spray (cooling and dust suppression), carbon dioxide (CO₂), dry chemical powder, foam.
- Unsuitable: No limitations of extinguishing agents; avoid direct high-pressure water jet to prevent dust spread.

5.2 Special Hazards Arising from the Substance or Mixture Non-combustible solid; no hazardous combustion gases generated when burning alone; if mixed with hydrogen peroxide/flammable materials before burning, may produce irritating sulfur-containing gases and oxidizing fumes; dust may cause respiratory irritation to firefighters.

5.3 Advice for Firefighters Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective gear (including goggles and gloves) to avoid dust inhalation and skin/eye contact. Use water spray to suppress dust and cool surrounding containers. Evacuate to upwind areas; avoid inhaling any fumes. Prevent fire-extinguishing water from entering municipal sewers or natural water bodies.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures Wear nitrile rubber gloves, chemical-resistant safety goggles, full face shield and a half-face air-purifying respirator with dust cartridges. Eliminate all potential ignition sources (if mixed with hydrogen peroxide). Ensure good ventilation; evacuate non-essential personnel and set up a warning zone. Avoid inhaling dust and direct skin/eye contact; do not walk through spilled powder.

6.2 Environmental Precautions Prevent spilled powder from entering sewers, rivers, lakes, soil or storm drains. Cover spilled powder with plastic sheeting to avoid spreading with wind; do not wash spilled powder into drains with water.

6.3 Methods and Materials for Containment and Cleaning Up

- Small Spill: Gently sweep up the powder with a dry broom (do not use water) and collect into a sealed HDPE container with hazard labels; wipe the spill area with a dry cloth and dispose of the cloth in the same container.
 - Large Spill: Contain the powder with sandbags or plastic sheeting, collect with a dry vacuum cleaner (explosion-proof if needed) into sealed HDPE drums; do not use water for cleaning to avoid slurry formation.
- 6.4 Reference to Other Sections For waste disposal, see Section 13; for personal protection, see Section 8.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling Operate in a well-ventilated area with local exhaust ventilation (to suppress dust); wear full specified PPE during all handling operations. Avoid generating dust (e.g., gentle mixing, no violent shaking); mix only with cosmetic-grade hydrogen peroxide (3%-12%) as directed, do not mix with other chemicals (acids, alkalis, flammables). Do not eat, drink or smoke in the work area; wash hands, face and exposed skin thoroughly with soap and water after handling. Dispose of unused mixed bleaching paste immediately (do not store).

7.2 Conditions for Safe Storage

- Storage Conditions: Store in a **cool, dry, well-ventilated** warehouse. Temperature $\leq 25^{\circ}\text{C}$, relative humidity $\leq 60\%$. Keep the container tightly sealed to prevent moisture absorption and caking. Store away from direct sunlight, heat sources and moisture.
- Incompatibilities: Strong acids, strong bases, hydrogen peroxide (developer), flammable materials, reducing agents, mucous membrane/skin care products, food/feed.
- Storage Class (TRGS 510): 9 (Miscellaneous Hazardous Substances)
- Shelf Life: **24 months (unopened, under specified storage conditions)**; mixed bleaching paste (with hydrogen peroxide) has a shelf life of only 30 minutes and must be used immediately.
- Segregation: Store separately from all other chemicals and cosmetics; place in a dedicated hazardous substance storage area with a dust-proof cover; keep away from incompatible materials with a minimum distance of 1 meter; mark clear hazard labels on the storage area.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

- Occupational Exposure Limit (OEL) for key ingredients:
 - Sodium Persulfate: TWA 0.1 mg/m³ (8-hour, ACGIH); STEL 0.3 mg/m³
 - Potassium Persulfate: TWA 0.1 mg/m³ (8-hour, ACGIH); STEL 0.3 mg/m³
- Biological Limit Value (BLV): N/A

8.2 Exposure Controls

- Engineering Controls: Local exhaust ventilation (LEV) with dust collection system for powder handling; dust-proof operation tables; humidity control in the work area ($\leq 60\%$) to prevent caking and dust spread.
- Personal Protective Equipment (PPE) - **MANDATORY for all operations**:
 - Eye/Face Protection: Chemical-resistant safety goggles + full face shield (prevent powder splashing into eyes).
 - Skin Protection: Nitrile rubber gloves (thickness ≥ 0.30 mm), chemical-resistant lab coat/apron, disposable arm sleeves, non-slip protective shoes (prevent skin contact).
 - Respiratory Protection: Half-face air-purifying respirator with N95 dust cartridges (prevent dust inhalation); full-face SCBA for large spill/leak emergency.

- o Hand Protection: Replace gloves immediately if damaged/punctured; change gloves every 2 hours for continuous operation.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Propertiesa) Physical State: Solid (fine powder)b) Color: Bright bluec) Odor: Slight inorganic oxidant odor, no pungent smelld) Melting Point/Freezing Point: $\geq 180^{\circ}\text{C}$ (decomposition before melting)e) Boiling Point: N/A (solid)f) Flammability: Non-combustible solidg) Flammability Limits: Not applicableh) Flash Point: Not applicablei) Autoignition Temperature: Not applicablej) Decomposition Temperature: $\geq 180^{\circ}\text{C}$ (releases oxygen and sulfur-containing gases)k) pH Value (10% aq., 25°C): 7.0-9.0l) Viscosity: Not applicable (solid powder)m) Solubility: Partially soluble in water (forms slightly alkaline solution); insoluble in ethanol, ether and organic solventsn) Partition Coefficient (log P, n-octanol/water): N/Ao) Vapor Pressure (25°C): < 0.01 kPap) Bulk Density (25°C): 0.85-0.95 g/cm³q) Relative Vapor Density: N/Ar) Evaporation Rate: Not applicable) Explosive Properties: No explosive properties (no dust explosion risk under normal use)t) Oxidizing Properties: None (alone); oxidizing when mixed with hydrogen peroxide

9.2 Other Safety InformationAbsorbs moisture easily and caking may occur if exposed to high humidity; bleaching efficiency decreases after moisture absorption; mixed with 3%-12% hydrogen peroxide to form bleaching paste for hair use only.

SECTION 10: Stability and Reactivity

10.1 Chemical Stability: Stable under the recommended storage conditions ($\leq 25^{\circ}\text{C}$, dry, sealed); no chemical changes under normal use conditions; stable for 24 months when unopened.10.2 Possibility of Hazardous Reactions: No hazardous reactions when used alone; reacts with strong acids to produce irritating sulfur dioxide gas; oxidizing when mixed with hydrogen peroxide (normal for hair bleaching); no hazardous polymerization occurs under any conditions.10.3 Conditions to Avoid: High temperature ($>40^{\circ}\text{C}$), high humidity ($>60\%$), direct sunlight, moisture absorption, contact with strong acids/alkalis, mixing with non-cosmetic grade hydrogen peroxide.10.4 Incompatible Materials: Strong mineral acids (HCl, H₂SO₄), strong bases (NaOH, KOH), flammable liquids/solids, reducing agents (sodium sulfite), food/feed, skin/mucous membrane care products.10.5 Hazardous Decomposition Products: Oxygen, sulfur dioxide, sodium/potassium sulfate (high temperature decomposition $>180^{\circ}\text{C}$); no toxic or explosive decomposition products under normal use/storage conditions.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

- Acute Toxicity (key ingredient Sodium Persulfate):
 - o Oral (Rat, LD₅₀): 820 mg/kg (Harmful)
 - o Dermal (Rabbit, LD₅₀): > 1000 mg/kg (Irritating)
 - o Inhalation (Rat, LC₅₀): 3.5 mg/m³ (4-hour dust exposure, Irritating)



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- Skin Corrosion/Irritation: Rabbit 4-hour patch test - moderate erythema and edema (Category 2), reversible within 72 hours with treatment.
- Serious Eye Damage/Irritation: Rabbit eye test - severe corneal damage and conjunctival necrosis (Category 1), may cause permanent vision loss (**no reversibility**).
- Skin Sensitization: Guinea pig test - positive (Category 1), 10-15% of sensitive individuals may have allergic skin reactions after contact.
- Respiratory Irritation: Rat inhalation test - severe bronchial irritation and cough at dust concentrations ≥ 1 mg/m³, reversible with symptomatic treatment.
- Mutagenicity/Carcinogenicity/Reproductive Toxicity: No mutagenic, carcinogenic or reproductive toxic effects reported for cosmetic-grade persulfates at normal use concentrations; IARC Classification - Group 3 (not classifiable as to carcinogenicity to humans).
- Specific Target Organ Toxicity: **Eyes, skin and respiratory tract** are the main target organs; no damage to other vital organs with standard protective measures.

SECTION 12: Ecological Information

12.1 Toxicity

- Fish (Zebrafish, 96h LC₅₀): 1200 mg/L (powder suspension)
 - Daphnia (48h EC₅₀): 800 mg/L (powder suspension)
 - Freshwater Algae (72h EC₅₀): 1500 mg/L (powder suspension)
- 12.2 Persistence and Degradability: Inorganic components are non-biodegradable; sodium/potassium sulfate decomposes into harmless inorganic ions in the environment; no persistent organic residues.
- 12.3 Bioaccumulative Potential: Very low (inorganic salts); no bioaccumulation in aquatic organisms or food chain; no biomagnification observed.
- 12.4 Mobility in Soil: High mobility (water-soluble inorganic components); slight leaching risk to groundwater, mitigated by low environmental concentration.
- 12.5 PBT/vPvB Assessment: Not classified as PBT/vPvB substances (no persistence, very low bioaccumulation, moderate aquatic toxicity).
- 12.6 Other Adverse Effects: No known adverse effects on soil microorganisms or terrestrial plants at normal environmental concentrations; avoid large-scale direct discharge into water bodies.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

- Product Waste: Expired/caked/contaminated hair bleaching powder is classified as **miscellaneous hazardous waste**; dispose of by licensed hazardous waste treatment facilities via high-temperature incineration ($\geq 800^{\circ}\text{C}$) or solid waste stabilization/solidification. Do not dump into the environment.
- Mixed Bleaching Paste Waste: Unused mixed paste (with hydrogen peroxide) must be neutralized with sodium thiosulfate solution before disposal, then handed over to licensed hazardous waste treatment companies.



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- Packaging Waste: Rinse packaging with plenty of water to remove residual powder, collect rinsing waste for hazardous disposal; dispose of contaminated packaging as hazardous waste; recycle clean and uncontaminated packaging after thorough cleaning.
- Disposal Compliance: Comply with China HW49 (Other Hazardous Waste), EU EWC 100201, US RCRA Subtitle C (Hazardous Waste); comply with local cosmetic waste disposal regulations.

SECTION 14: Transport Information

14.1 UN Number: ADR/RID: 3077; IMDG: 3077; IATA-DGR: 3077
14.2 UN Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s. (Hair Bleaching Powder with Persulfates)
14.3 Transport Hazard Class: 9 (Miscellaneous hazardous substances and articles)
14.4 Packaging Group: III (Minor hazard)
14.5 Environmental Hazards: IMDG Marine Pollutant: **Yes**
14.6 Special Precautions for Transport: Transport in sealed HDPE plastic drums with inner plastic lining and dust-proof caps; affix Class 9 hazard labels, **Marine Pollutant** signs and product identification labels (Hair Bleaching Powder (Blue) - Cosmetic Grade). Transport temperature $\leq 30^{\circ}\text{C}$, relative humidity $\leq 60\%$; avoid direct sunlight, rain, moisture, collision and extrusion during transport. Do not transport with strong acids, strong bases, hydrogen peroxide, flammable materials, food/feed or other cosmetics; transport in a dedicated compartment of Class 9 hazardous chemical vehicles with dust-proof and moisture-proof measures. Comply with ADR/RID, IMDG Code and IATA-DGR regulations for Class 9 miscellaneous hazardous substances; provide MSDS/COA for customs clearance; no mixed transport with other hazardous chemicals.

SECTION 15: Regulatory Information

15.1 National/International Regulations

- China: Cosmetic Safety Technical Specification (2021 version); Hazardous Chemicals Safety Management Regulation (Class 9 Miscellaneous Hazardous Substance); Environmental Protection Law; Cosmetic Supervision and Administration Regulation.
- EU: REACH (Annex XVII compliant, persulfates listed for cosmetic use limits); CLP (GHS Classification - Danger); Cosmetics Regulation (EC 1223/2009); ADR/RID Class 9 Transport Regulations.
- US: TSCA (listed on the TSCA Inventory); DOT Class 9 Miscellaneous Hazardous Substance; FDA Cosmetic Act; OSHA Hazard Communication Standard (29 CFR 1910.1200).
- International: ISO 9001 (Quality); ISO 14001 (Environment); GHS Rev.9; Cosmetic Good Manufacturing Practices (cGMP).

15.2 Additional Regulatory Requirements: Comply with cosmetic persulfate use limits

(EU/US/China); provide English MSDS/COA for customs clearance; mark **Class 9 Hazardous Substance, For Professional Hair Cosmetic Use Only, Keep Away from Eyes** on all product documents; the product is for external use only (hair), no use on other body parts.

SECTION 16: Other Information

- Further Information: This MSDS complies with GB/T 16483, GB/T 17519, GHS Rev.9 and Cosmetic Safety Technical Specification (2021), and is for professional use only by trained hair cosmetic



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personnel (production, storage, transport and use). Key characteristic: **Cosmetic grade blue hair bleaching powder, Class 9 miscellaneous hazardous substance, contains persulfates, causes serious eye damage/skin irritation, non-combustible, stable under recommended storage conditions, for hair bleaching only.**

- Revision Date: 20 FEB 2026
- Disclaimer: The supplier is not liable for any damage, injury or environmental pollution caused by improper use, storage, transport or disposal of this product beyond the scope of the specified standards and national/international regulations. All operations must be conducted by trained professional personnel with strict compliance with relevant safety and cosmetic regulations.

