



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 17519; Adapts to GHS, IMDG, IATA Standards)

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

1.1 Product Identifiers

- Product Name: Frankincense Extract
- Product Number: FE-20260205
- Brand: SIGALD
- CAS-No.: 94524-60-4
- Synonyms: Boswellia Extract; Boswellic Acid Extract; Olibanum Extract

1.2 Details of the supplier of the safety data sheet

- Company: NEWAY SINOPHC TECH. LIMITED
- 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 of the Substance or Mixture and Uses Advised Against

- Identified Uses: Health care product raw material; cosmetic ingredient (soothing/anti-inflammatory); pharmaceutical intermediate; natural plant extract additive.
- Uses Advised Against: Not for direct oral consumption in bulk; not for medical injection without professional formulation; not for use in infant food without special approval.

SECTION 2: Hazards Identification

| Summary of Emergency Measures | Light yellow to pale brown fine powder. Slightly irritating to eyes if direct contact; no skin/respiratory irritation in normal use; no acute toxicity if accidentally ingested in small amount. After inhalation: Move to fresh air and rest if discomfort occurs. In case of skin contact: Rinse skin with clean water for 5 minutes. After eye contact: Rinse with plenty of water for 5-10 minutes; consult a doctor if irritation persists. After swallowing: Rinse mouth with water; do not induce vomiting; consult a doctor if gastrointestinal discomfort occurs. Non-combustible. No risk of explosion. | | --- |

2.1 GHS Classification

- Eye irritation (Category 2A)
- #### 2.2 GHS Label Elements
- Hazard Pictogram: (Exclamation mark)
 - Signal Word: **Warning**
 - Hazard Statements: H319: Causes serious eye irritation
 - Precautionary Statements:
 - P264: Wash hands thoroughly after handling
 - P280: Wear protective eye/face protection



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>

- P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention

2.3 Physical and Chemical HazardsBased on current information: Non-combustible; no explosive/oxidizing properties; no hazardous physical/chemical hazards under normal use.

2.4 Health HazardsBased on current information: Mild eye irritation only; no acute/chronic skin/respiratory toxicity; no mutagenicity/carcinogenicity; no target organ toxicity in normal use.

2.5 Environmental HazardsBased on current information: Environmentally friendly; fully biodegradable; low toxicity to aquatic organisms; no bioaccumulation potential; no adverse environmental effects.

2.6 Other HazardsNo additional hazards identified.

SECTION 3: Composition/Information on Ingredients

- Substance / Mixture: Natural plant extract (single component extract) | 3.1 Main Components | Boswellia carterii Resin Extract (Total Boswellic Acids ≥65%) | | --- | --- | | Formula | C30H48O3 (Main boswellic acid) | | Molecular Weight | 456.70 Da (Main active component) | | CAS-No.: | 94524-60-4 | | EC-No.: | N/A |

Hazardous Ingredients

Component	Classification	Concentration (w/w)
Frankincense Extract (Total Boswellic Acids)	Non-hazardous (Eye Irrit. 2A)	65.0-70.0%
Natural Plant Polysaccharides/Resins	Non-hazardous	30.0-35.0%

SECTION 4: First Aid Measures

4.1 Description of First-Aid Measures

- If Inhaled: Move victim to fresh air. No special treatment required if no discomfort; consult a doctor if cough/chest tightness persists.
- In Case of Skin Contact: Rinse skin with running water for 5 minutes. Remove contaminated clothing; wash clothing before reuse. No further treatment needed for normal contact.
- In Case of Eye Contact: Rinse eyes thoroughly with plenty of running water for 5-10 minutes (hold eyelids open). Remove contact lenses if present. Consult a doctor if redness/irritation persists for more than 24 hours.
- If Swallowed: Rinse mouth with clean water. Do not induce vomiting. Drink a small amount of water if needed; consult a doctor only if gastrointestinal discomfort occurs.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

- Acute Effects: Mild eye redness/tearing (reversible within 24h); no other acute symptoms.
- Delayed Effects: No known delayed toxic effects based on current data.

4.3 Indication of Any Immediate Medical Attention and Special Treatment NeededNo specific medical treatment required; treat symptomatically if irritation persists.



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>

4.4 Notes to Physician Inform the physician of the product composition (boswellic acid extract) if medical consultation is required.

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

- Suitable Extinguishing Media: Water spray, foam, carbon dioxide (CO₂), dry powder.
- Unsuitable Extinguishing Media: No limitations of extinguishing agents.

5.2 Special Hazards Arising from the Substance or Mixture

- Non-combustible; no hazardous combustion gases/fumes generated; thermal decomposition at high temperature releases non-toxic carbon dioxide and water only.

5.3 Advice for Firefighters

- No special protective equipment required; wear standard fire-fighting gear (helmet, fire suit, gloves); a dust mask is recommended to avoid inhalation of combustion powder.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- Wear basic PPE (nitrile gloves, safety goggles, dust mask) for cleanup; ensure good ventilation in the spill area.
- Evacuate non-essential personnel only in case of large-scale powder spills.

6.2 Environmental Precautions

- No special environmental precautions; the product is biodegradable; prevent large spills from entering water bodies (dilute with water if needed).

6.3 Methods and Materials for Containment and Cleaning Up

- Small Spill: Sweep up with a clean dry brush; transfer to a sealed HDPE container for normal use or disposal.
- Large Spill: Contain with plastic dikes; transfer to sealed drums with a clean shovel; clean the spill area with a damp cloth to avoid dust dispersion.

6.4 Reference to Other Sections For disposal, see Section 13.

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

- Operate in a well-ventilated area; use low-dust handling equipment to avoid powder dispersion.
- Avoid contact with strong oxidizing agents, concentrated acids and high-temperature environments ($\geq 60^{\circ}\text{C}$) to prevent active ingredient degradation.
- Hygiene Measures: Wash hands thoroughly with soap and water after handling; no eating/drinking/smoking in the work area during handling.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

- Storage Conditions: Store in a cool, dry, dark well-ventilated warehouse. Keep container tightly closed. Avoid direct sunlight and high temperatures (storage temperature $\leq 25^{\circ}\text{C}$); control warehouse humidity $\leq 70\%$.

- Incompatibilities: Strong oxidizing agents, concentrated mineral acids, high-temperature environments.
- Storage Class (TRGS 510): 13 (Non-Hazardous Solids)
- Shelf Life: 24 months (unopened, under specified storage conditions).

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

表格

Component	CAS-No.	Value	Control Parameters	Basis
Frankincense Extract	94524-60-4	5 mg/m ³	TWA (Respirable dust)	EU/China proposed occupational exposure limits

8.2 Exposure Controls

- Engineering Controls: Basic local exhaust ventilation (LEV) with dust collection for large-scale processing; ensure good general ventilation in the workshop.
- Personal Protective Equipment (PPE):
 - Eye/Face Protection: Safety goggles (mandatory for handling); face shield recommended for large-scale powder processing.
 - Skin Protection: Nitrile rubber gloves (≥0.11 mm) for handling; lab coat for routine operation.
 - Respiratory Protection: Disposable dust mask for high-dust environments; no respiratory protection needed for normal low-dust handling.
- Control of Environmental Exposure: No special environmental exposure controls.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties
 a) Physical State: Fine powder
 b) Color: Light yellow to pale brown
 c) Odor: Faint natural resinous fragrant
 d) Melting Point/Freezing Point: N/A (plant extract mixture)
 e) Initial Boiling Point and Boiling Range: N/A
 f) Flammability (Solid): Non-combustible
 g) Upper/Lower Flammability or Explosive Limits: Not applicable
 h) Flash Point: Not applicable
 i) Autoignition Temperature: > 450°C
 j) Decomposition Temperature: ≥ 60°C (active ingredient inactivation, no hazardous decomposition)
 k) pH Value (25°C): 5.0-7.0 (1% aq. suspension)
 l) Viscosity: Not applicable (solid)
 m) Water Solubility: Slightly soluble in water; soluble in ethanol/glycerin
 n) Partition Coefficient (n-octanol/water): Log P ≈ 3.5 (main boswellic acid)
 o) Vapor Pressure (25°C): < 0.0001 hPa
 p) Density (25°C): 0.45-0.65 g/cm³ (bulk density)
 q) Relative Vapor Density: Not applicable
 r) Particle Characteristics: 95% passing 80 meshes
 s) Explosive Properties: Not explosive
 t) Oxidizing Properties: None

9.2 Other Safety Information No additional safety-related physical/chemical data.

SECTION 10: Stability and Reactivity

10.1 Chemical Stability: Stable under recommended storage conditions (≤25°C, dry, dark); slight hygroscopy but no active ingredient degradation.
 10.2 Possibility of Hazardous Reactions: No hazardous reactions under normal use and handling conditions.
 10.3 Conditions to Avoid:

High temperature (> 60°C), direct sunlight, high humidity (>70%), contact with strong oxidizing agents/concentrated acids.10.4 Incompatible Materials: Hydrogen peroxide (≥30%), concentrated sulfuric acid/hydrochloric acid, potassium permanganate.10.5 Hazardous Decomposition Products: No hazardous decomposition products; thermal decomposition at high temperature releases only non-toxic carbon dioxide, water and plant resin residues.

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

- Acute Toxicity:
 - Oral (Rat, LD₅₀): > 5000 mg/kg
 - Dermal (Rabbit, LD₅₀): > 10000 mg/kg
 - Inhalation (Rat, LC₅₀): > 20 mg/m³ (4-hour exposure)
- Skin Corrosion/Irritation: No skin irritation (Rabbit, 24-hour exposure)
- Serious Eye Damage/Eye Irritation: Category 2A (mild irritation, reversible within 24h; Rabbit, 24-hour exposure)
- Respiratory or Skin Sensitization: No sensitizing effects (Guinea pig test)
- Germ Cell Mutagenicity: Negative (Ames test, chromosome aberration test)
- Carcinogenicity: Not classified as carcinogenic by IARC/EPA/NTP
- Reproductive Toxicity: No reproductive harm at normal exposure levels (animal studies)
- Specific Target Organ Toxicity (Single/Repeated Exposure): No target organ toxicity
- Aspiration Hazard: Low (fine powder, no aspiration risk in normal use)

11.2 Additional InformationThe toxicological properties have been sufficiently studied for safe industrial and commercial use.

SECTION 12: Ecological Information

12.1 Toxicity:

- Fish (Zebrafish, LC₅₀): > 1000 mg/L (96-hour exposure)
- Daphnia (EC₅₀): > 1000 mg/L (48-hour exposure)
- Algae (EC₅₀): > 1000 mg/L (72-hour exposure)

12.2 Persistence and Degradability: Fully biodegradable (BOD₅ /COD > 0.7) in aquatic and soil environments; degrades completely within 15 days.12.3 Bioaccumulative Potential: No bioaccumulation potential (Log P ≈ 3.5, but rapid biodegradation); no accumulation in aquatic/terrestrial organisms.12.4 Mobility in Soil: Moderate mobility; binds to soil organic matter and biodegrades rapidly.12.5 Results of PBT and vPvB Assessment: Not classified as PBT/vPvB.12.6 Endocrine Disrupting Properties: No data available; no known endocrine-disrupting effects.12.7 Other Adverse Effects: No known adverse ecological impacts; the product is a natural plant extract with no environmental pollution risk.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods



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>

- Product Waste: Classified as non-hazardous organic waste; can be incinerated at ordinary waste incineration facilities or composted (biodegradable); no hazardous waste treatment required.
- Packaging Waste: Rinse packaging with clean water; dispose of as non-hazardous plastic waste or recycle; no special disposal requirements. 13.2 Disposal Regulations: Comply with local, national and international solid waste disposal regulations; can be disposed with municipal solid waste after proper treatment.

SECTION 14: Transport Information

14.1 UN Number: ADR/RID: -; IMDG: -; IATA-DGR: - 14.2 UN Proper Shipping Name: ADR/RID: Not dangerous goods; IMDG: Not dangerous goods; IATA-DGR: Not dangerous goods 14.3 Transport Hazard Class(es): ADR/RID: -; IMDG: -; IATA-DGR: - 14.4 Packaging Group: ADR/RID: -; IMDG: -; IATA-DGR: - 14.5 Environmental Hazards: ADR/RID: No; IMDG Marine Pollutant: No; IATA-DGR: No 14.6 Special Precautions for User: Transport at $\leq 25^{\circ}\text{C}$; use sealed packaging to avoid moisture/dust/sunlight; avoid collision and breakage of packaging; do not transport with strong oxidizing agents/concentrated acids. 14.7 Incompatible Materials: Avoid transport with strong oxidizing agents, concentrated mineral acids and high-temperature cargo.
Further Information: Not classified as dangerous under international transport regulations.

SECTION 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

- National Regulations (China):
 - Hazardous Chemical Safety Management Regulation (Non-hazardous classification)
 - Food Safety Law (qualified for food/health care product use)
 - Cosmetic Supervision and Administration Regulation (approved for cosmetic use)
- International Regulations:
 - GHS Classification (Rev. 9): Eye Irrit. 2A (non-hazardous main category)
 - REACH (EU): Registered; not listed in SVHC Candidate List
 - TSCA (US): Listed on the TSCA Inventory; GRAS certified for food/health care use
 - USP/EP: Complies with natural plant extract standards

15.2 Other Regulations: Comply with local pharmaceutical/cosmetic/health care product manufacturing and GMP regulations; comply with occupational exposure limits for plant extract dust.

SECTION 16: Other Information

- Further Information: This MSDS is based on current scientific knowledge and complies with GB/T 16483, GB/T 17519, and GHS standards. It is intended for safe handling, storage, transport, and disposal. The supplier is not liable for damage caused by improper use or non-compliance with safety precautions.
- Revision Date: 05 FEB 2026



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>



纳维盈医化科技
NEWAY SINOPHC TECH