



# 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

Revision Date: 20 FEB 2026

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

#### 1.1 Product Identifiers

- Product Name: Ginkgo Biloba Extract (GBE)
- Product Number: GBE-20260220
- Brand: SIGALD
- Botanical Source: *Ginkgo biloba* L. Leaf
- Active Components: Flavonol Glycosides (24%), Terpene Lactones (6%)
- Synonyms: Ginkgo Leaf Extract; Ginkgo Extract

#### 1.2 Supplier Details

- 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 Identified Uses & Uses Advised Against

- Identified Uses: Natural raw material for health care products, food additives, pharmaceutical intermediates, dietary supplements; anti-oxidant and blood circulation improvement ingredient.
- Uses Advised Against: Direct human consumption in bulk; unauthorized injection use; use in infant food without special formulation.

### SECTION 2: Hazards Identification

#### Summary of Emergency Measures

Light yellow to brown yellow powder. May cause mild eye irritation; slight respiratory irritation if inhaled in large amounts; no acute toxicity if swallowed in normal dosage. Inhalation: Move to fresh air, rest. Skin contact: Rinse with water for 5 mins. Eye contact: Rinse for 5-10 mins; consult a doctor if irritation persists. Swallowing: Rinse mouth with water, no induced vomiting needed.

**Non-combustible; no explosion risk.**

#### 2.1 GHS Classification

- Eye irritation (Category 2A); Specific target organ toxicity (single exposure), respiratory system (Category 3, mild)

#### 2.2 GHS Label Elements

- Hazard Pictograms: (Exclamation mark)
- Signal Word: **Warning**
- Hazard Statements:
  - H319: Causes serious eye irritation



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- H335: May cause respiratory irritation
- Precautionary Statements:
- P261: Avoid breathing dust
- P264: Wash hands thoroughly after handling
- P280: Wear protective eye/face protection
- P305+P351+P338: If in eyes: Rinse cautiously with water, remove contact lenses, continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention

2.3 Physical and Chemical Hazards Non-combustible; no explosive/oxidizing properties; no hazardous decomposition under normal use conditions.

2.4 Health Hazards

- Acute: Mild eye irritation; slight cough/nasal irritation from heavy dust inhalation; no oral toxicity in normal dosage.
  - Chronic: No known chronic toxic effects at occupational or normal use levels; no sensitization, mutagenicity or carcinogenicity.
- 2.5 Environmental Hazards Fully biodegradable; low toxicity to aquatic organisms; no bioaccumulation potential; no long-term environmental harm.
- 2.6 Other Hazards No additional hazards identified.

## SECTION 3: Composition/Information on Ingredients

- Mixture: Natural plant extract (100% Ginkgo Biloba Extract) | Active Component | Content (w/w) | CAS No. | Hazard Classification | | --- | --- | --- | --- | | Flavonol Glycosides | 24% | 80410-72-0 | Non-hazardous | | Terpene Lactones | 6% | 15291-75-5 | Non-hazardous | | Other Plant Polysaccharides/Organic Acids | 70% | - | Non-hazardous |

## SECTION 4: First Aid Measures

### 4.1 First-Aid Measures

- Inhaled: Move victim to fresh air and rest. No special treatment needed if no discomfort; consult a doctor only if cough/chest tightness persists.
- Skin Contact: Remove contaminated clothing and rinse skin with running water for 5 minutes. Wash clothing before reuse; no further treatment needed.
- 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 only if irritation/redness lasts more than 24 hours.
- Swallowed: Rinse mouth with water. Do not induce vomiting; no medical attention needed for normal dosage ingestion; call a doctor only if large amounts are ingested and gastrointestinal discomfort occurs.

### 4.2 Most Important Symptoms

- Acute: Mild eye redness/tearing; slight respiratory irritation (heavy dust); no significant systemic symptoms.
- ### 4.3 Medical Attention

- Symptomatic treatment only if symptoms persist; no specific antidote required; supportive care is sufficient.

## SECTION 5: Firefighting Measures

5.1 Extinguishing Media: Water spray, foam, carbon dioxide (CO<sub>2</sub>), dry powder (all suitable)5.2 Special Hazards from Combustion: Non-combustible; no hazardous combustion gases/fumes; thermal decomposition releases non-toxic CO<sub>2</sub>, water and plant organic residues.5.3 Firefighter Advice: Wear standard fire-fighting gear; a dust mask is recommended to avoid inhalation of combustion dust; keep containers cool with water spray if exposed to fire.

## SECTION 6: Accidental Release Measures

6.1 Personal Precautions: Wear basic PPE (nitrile gloves, safety goggles, dust mask, lab coat); ensure good ventilation; no need for specialized protective equipment.6.2 Environmental Precautions: No special environmental measures; the product is fully biodegradable; prevent large spills from entering water bodies (dilute with water if needed).6.3 Containment & Clean-Up

- Small Spill: Sweep up with a clean brush and transfer to a sealed HDPE container for normal use or disposal.
- Large Spill: Contain with plastic dikes; transfer to sealed drums; clean the area with water and collect wash water for biological treatment (biodegradable).6.4 Reference: See Section 13 for waste disposal guidelines.

## SECTION 7: Handling and Storage

### 7.1 Safe Handling

- Operate in a well-ventilated workshop; use ordinary dust collection equipment to avoid dust accumulation; no special GMP clean room required for non-pharmaceutical use.
- Hygiene Measures: Wash hands after handling; no eating/drinking/smoking in the work area with basic hygiene.

### 7.2 Safe Storage

- Storage Conditions: Cool, dry, well-ventilated warehouse ( $\leq 25^{\circ}\text{C}$ ); keep container tightly sealed; avoid direct sunlight and high humidity (>70%); separate from strong oxidizing agents.
- Incompatibilities: Strong oxidizing agents (hydrogen peroxide, potassium permanganate), concentrated acids.
- Storage Class (TRGS 510): 13 (Non-Hazardous Solids)
- Shelf Life: 24 months (unopened, under specified storage conditions); 6 months after opening (resealed, dry).
- Segregation: Store separately from strong acids/oxidants; may be stored with other natural plant extracts and food raw materials.

## SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters: Occupational Exposure Limit (OEL) – TWA 5 mg/m<sup>3</sup> (respirable dust) (EU/China proposed)8.2 Exposure Controls

- Engineering Controls: Basic local exhaust ventilation (LEV); ordinary dust collection equipment for large-scale processing.

- Personal Protective Equipment (PPE):
  - Eye/Face: Safety goggles (recommended for handling; mandatory for large-scale processing)
  - Skin: Nitrile gloves (for prolonged contact); ordinary lab coat for routine handling
  - Respiratory: Disposable dust mask (for high-dust environments; no need for normal handling)
  - Hand: Bare hand contact is acceptable for short-term routine handling.

## SECTION 9: Physical and Chemical Properties

- Physical State: Light yellow to brown yellow fine powder | Odor: Faint characteristic herbal odor
- Melting Point: Not applicable (plant extract mixture) | Boiling Point: Not applicable
- Flammability: Non-combustible | Flash Point: Not applicable
- Autoignition Temperature: >450°C | Decomposition Temperature: ≥200°C
- pH Value: 5.0-7.0 (1% aq. suspension, 25°C) | Water Solubility: Sparingly soluble (2.5 g/100 mL, 25°C)
- Ethanol Solubility: Soluble (15 g/100 mL, 25°C) | Bulk Density: 0.45-0.65 g/cm<sup>3</sup>
- Vapor Pressure (25°C): <0.0001 hPa | Particle Size: 95% passing 80 mesh
- Explosive Properties: None | Oxidizing Properties: None
- Hygroscopy: Slight | Color: Light yellow to brown yellow (visual)

## SECTION 10: Stability and Reactivity

10.1 Chemical Stability: Stable under recommended storage conditions; slight hygroscopy with no active component degradation. 10.2 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 releases non-toxic CO<sub>2</sub>, water and plant residues.

## SECTION 11: Toxicological Information

### 11.1 Toxicological Effects

- Acute Toxicity: Oral (Rat, LD<sub>50</sub>) >5000 mg/kg; Dermal (Rabbit, LD<sub>50</sub>) >10000 mg/kg; Inhalation (Rat, LC<sub>50</sub>) >20 mg/m<sup>3</sup> (4h)
- Skin Irritation: No irritation (Rabbit, 24h exposure)
- Eye Irritation: Category 2A (mild redness, reversible in 48h; Rabbit, 24h exposure)
- Respiratory Irritation: Mild irritation only at high dust concentration
- Mutagenicity: Negative (Ames test, chromosome aberration test)
- Carcinogenicity: IARC Class 3 (not classifiable as carcinogenic to humans)
- Reproductive Toxicity: No reproductive harm at any exposure level (animal studies)
- Sensitization: No skin/respiratory sensitization (Guinea pig test)

## SECTION 12: Ecological Information



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12.1 Toxicity: Zebrafish (LC<sub>50</sub>) >1000 mg/L (96h); Daphnia (EC<sub>50</sub>) >1000 mg/L (48h); Algae (EC<sub>50</sub>) >1000 mg/L (72h) 12.2 Persistence & Degradability: Fully biodegradable (BOD<sub>5</sub>/COD = 0.80-0.90); degrades completely within 15 days in aquatic environments. 12.3

Bioaccumulative Potential: No bioaccumulation potential (Log P = 1.2); no accumulation in aquatic/terrestrial organisms. 12.4 Mobility in Soil: Moderate mobility; biodegrades rapidly in soil, no leaching to groundwater. 12.5 PBT/vPvB: Not classified as PBT/vPvB; meets all environmental safety standards. 12.6 Other Adverse Effects: No adverse ecological effects at any concentration; biodegradation products are non-toxic.

### SECTION 13: Disposal Considerations

#### 13.1 Waste Treatment

- Product Waste: Classified as non-hazardous organic waste; may be incinerated at ordinary waste incineration facilities or composted (biodegradable); no hazardous waste treatment required.
  - Packaging Waste: Rinse packaging with water; dispose of as non-hazardous plastic waste or recycle.
- 13.2 Disposal Regulations: Comply with China general solid waste disposal regulations; may be disposed with municipal solid waste (after proper treatment).

### SECTION 14: Transport Information

14.1 UN Number: N/A (Non-hazardous goods) 14.2 UN Proper Shipping Name: Non-hazardous natural plant extract (Ginkgo Biloba Extract) 14.3 Transport Hazard Class: N/A | Packaging Group: N/A 14.4 Environmental Hazards: Marine Pollutant (No) 14.5 Special Transport Precautions: Transport at ≤25°C; use sealed HDPE/fiber drums; avoid direct sunlight and high humidity; ordinary freight transport (no special restrictions); no mixing with strong oxidizing agents/acids.

### SECTION 15: Regulatory Information

#### 15.1 National & International Regulations

- China: National Food and Drug Administration (NFDA) approved natural plant extract; Complies with GB 1886.213 (food additive) and CP 2020.
  - EU: REACH Registered; Complies with EFSA standards for food supplements; non-hazardous classification (CLP).
  - US: GRAS (Generally Recognized As Safe); TSCA Listed; USP 45 compliant for dietary supplements.
- 15.2 Other: Comply with local food, health care product and cosmetic manufacturing regulations.

### SECTION 16: Other Information

- This MSDS complies with GB/T 16483, GB/T 17519 and GHS Rev.9; based on current scientific and regulatory knowledge of natural plant extracts.
- Supplier is not liable for damage caused by improper handling, storage, use or non-compliance with safety precautions.



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- For additional technical or regulatory information, contact the supplier's natural extract technical department.

