



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)

- Amylcinnamyl Alcohol

(According to GB/T 16483 and GB/T 17519; Adapts to GHS, IMDG, IATA Standards) **Product**

Name: Amylcinnamyl Alcohol **Revision Date:** 25 FEB 2026

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

1.1 Product Identifiers

- Product Name: Amylcinnamyl Alcohol
- Synonyms: 2-Pentylcinnamyl alcohol; (2E)-3-Phenyl-2-pentyl-2-propen-1-ol
- Product Number: ACA-20260225
- Brand: SIGALD
- CAS-No.: 101-85-9
- MDL Number: MFCD00002915
- Formula: C₁₄H₂₀ O
- Molecular Weight: 204.31 g/mol

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:** Fragrance & flavor industry raw material; cosmetic formulation ingredient; household product fragrance; fine chemical intermediate.
- **Uses Advised Against:** Direct oral consumption; use in infant cosmetics (0-3 years old) without approval; unapproved pharmaceutical use.

SECTION 2: Hazards Identification

2.1 GHS Classification

- Eye Irritation, Category 2 (H319)
- Skin Irritation, Category 2 (H315)
- Aquatic Acute Toxicity, Category 3 (H402)
- Aquatic Chronic Toxicity, Category 3 (H412)

2.2 GHS Label Elements

- **Hazard Pictograms:** (Exclamation mark)
- **Signal Word:** Warning
- **Hazard Statements:**
 - H315: Causes skin irritation
 - H319: Causes serious eye irritation
 - H402: Harmful to aquatic life
 - H412: Harmful to aquatic life with long-term effects
- **Precautionary Statements:**
 - P264: Wash hands thoroughly after handling
 - P273: Avoid release to the environment
 - P280: Wear protective gloves/eye protection
 - P302+P352: If on skin: Wash with plenty of soap and water
 - P305+P351+P338: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing



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- P312: Call a POISON CENTER/doctor if you feel unwell
- P332+P313: If skin irritation occurs: Get medical advice/attention
- P337+P313: If eye irritation persists: Get medical advice/attention
- P362: Take off contaminated clothing and wash before reuse
- P391: Collect spillage
- P501: Dispose of contents/container to an approved waste disposal plant

2.3 Physical and Chemical Hazards

Non-flammable under normal conditions; no explosive, corrosive or oxidizing hazards; no polymerization risk.

2.4 Health Hazards

- Acute: Causes mild skin irritation and serious eye irritation; inhalation of high-concentration vapor may cause mild respiratory tract irritation.
- Chronic: No known chronic toxic effects with normal use; repeated skin contact may aggravate irritation in sensitive individuals.

2.5 Environmental Hazards

Harmful to aquatic organisms with acute and long-term effects; low bioaccumulation potential in aquatic food chains.

2.6 Other Hazards

No additional hazards identified.

SECTION 3: Composition/Information on Ingredients

- **Substance / Mixture:** Pure substance
- **Active Ingredient:** Amylcinnamyl Alcohol (100%, CAS 101-85-9)
- **Hazardous Ingredients:** Amylcinnamyl Alcohol (only hazardous ingredient, concentration 98.0-99.0%)

SECTION 4: First Aid Measures

4.1 Description of First-Aid Measures

- **If Inhaled:** Move victim to fresh air, keep at rest in a comfortable breathing position. If respiratory irritation occurs, consult a doctor.
- **In Case of Skin Contact:** Immediately rinse skin with plenty of running water and soap for 15 minutes; remove contaminated clothing and wash before reuse.
- **In Case of Eye Contact:** Rinse eyes thoroughly with plenty of running water for 15-20 minutes; remove contact lenses if present and easy to do. Consult a doctor immediately if irritation persists.
- **If Swallowed:** Rinse mouth with water; do not induce vomiting. Call a poison center or doctor if gastrointestinal discomfort (nausea, abdominal pain) occurs.

4.2 Most Important Symptoms and Effects

- Acute: Skin redness, itching; eye redness, pain, tearing; mild cough/chest tightness (high-concentration vapor inhalation).
- Delayed: No known delayed toxic effects with normal exposure.

4.3 Indication of Immediate Medical Attention

Seek medical attention for severe eye irritation, persistent skin irritation or accidental large-volume ingestion.

4.4 Notes to Physician

Treat symptomatically; inform the physician of the product name and CAS number (101-85-9).

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

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

5.2 Special Hazards Arising from the Substance

High-temperature combustion may produce carbon oxides (CO, CO₂) and slight aromatic fumes; no other hazardous combustion products.

5.3 Advice for Firefighters

- Wear standard fire-fighting gear (helmet, fire suit, self-contained breathing apparatus) to avoid inhalation of combustion fumes.
- Cool containers with water spray if exposed to fire; fight fire from a safe distance.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

- Wear nitrile rubber gloves, chemical safety goggles and disposable face mask when cleaning up spills.
- Ensure good ventilation in the spill area; avoid inhalation of vapor and skin/eye contact.

6.2 Environmental Precautions

- Prevent spilled liquid from entering drains, sewers, rivers or other water bodies.
- Contain spillage with inert absorbent materials to avoid environmental contamination.

6.3 Methods and Materials for Containment and Cleaning Up

- **Small Spill:** Absorb with inert materials (sand, diatomaceous earth, vermiculite), transfer to a sealed container for disposal; wipe the area with ethanol and water.
- **Large Spill:** Contain with dikes or sand barriers; pump into sealed HDPE drums for recycling or professional disposal; do not flush directly with water.

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; avoid breathing vapor, skin and eye contact.
- Wear personal protective equipment (PPE) as recommended in Section 8.
- Do not eat, drink or smoke during handling; wash hands and face thoroughly with soap and water after operation.
- Avoid contact with strong oxidizing agents and strong acids to prevent product degradation.

7.2 Conditions for Safe Storage

- **Storage Conditions:** Store in a cool, dark, well-ventilated warehouse at 15-25°C; keep container tightly sealed to prevent vapor loss and contamination; avoid direct sunlight and high temperature (>30°C).
- **Incompatibilities:** Strong oxidizing agents (hydrogen peroxide, potassium permanganate), concentrated mineral acids, strong bases.
- **Storage Class (TRGS 510):** 13 (Non-Hazardous Liquids)
- **Shelf Life:** 24 months (unopened, under specified storage conditions)

SECTION 8: Exposure Controls/Personal Protection

8.1 Control Parameters

- **Occupational Exposure Limit (OEL):** TWA: 10 ppm (84 mg/m³), US ACGIH; no national standard in China (GBZ) for this substance.

8.2 Exposure Controls

- **Engineering Controls:** Install local exhaust ventilation at operation points; use closed-loop equipment for large-scale production to reduce vapor emission.
- **Personal Protective Equipment (PPE):**
 - Eye/Face Protection: Chemical safety goggles (prevent splashing and vapor irritation)
 - Skin Protection: Nitrile rubber gloves (thickness ≥ 0.11 mm), chemical-resistant protective clothing



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- Respiratory Protection: Organic vapor cartridge respirator for routine handling; no respiratory protection needed under well-ventilated conditions
- Hand Protection: Nitrile rubber gloves (replace if damaged or contaminated)

8.3 Hygiene Measures

- Provide eye wash and emergency shower facilities in the workplace.
- Change contaminated clothing immediately; do not reuse contaminated gloves and cleaning materials.
- Avoid touching eyes, mouth and nose with contaminated hands.

SECTION 9: Physical and Chemical Properties

1. Physical State: Clear viscous liquid
2. Color: Colorless to pale yellow
3. Odor: Mild, sweet floral (jasmine-like) fragrance with woody notes
4. Boiling Point: 140-145°C (10 mmHg); 305°C (760 mmHg)
5. Flash Point: 148°C (Closed Cup)
6. Autoignition Temperature: > 420°C
7. Refractive Index (25°C): 1.5420-1.5480
8. Relative Density (25/25°C): 0.958-0.964
9. Solubility: Soluble in ethanol, ether, propylene glycol, vegetable oil; slightly soluble in water (<0.05 g/100 mL at 25°C)
10. Vapor Pressure (25°C): < 0.0001 hPa
11. Viscosity (25°C): 40-60 mPa·s
12. Acid Value: ≤ 0.5 mg KOH/g
13. Decomposition Temperature: > 220°C (slight thermal decomposition)
14. Freezing Point: ~10°C

SECTION 10: Stability and Reactivity

10.1 Chemical Stability

Stable under normal storage and handling conditions (cool, dark, sealed).

10.2 Possibility of Hazardous Reactions

No hazardous reactions under normal use conditions; no polymerization occurs.

10.3 Conditions to Avoid

High temperature (>30°C), direct sunlight, prolonged contact with strong oxidizing agents/acids, long-term exposure to air (may cause slight oxidation).

10.4 Incompatible Materials

Concentrated sulfuric acid, nitric acid, hydrogen peroxide, potassium permanganate, sodium hypochlorite.

10.5 Hazardous Decomposition Products

Carbon monoxide (CO), carbon dioxide (CO₂) (high-temperature combustion); slight acidic oxides from oxidation (no toxic decomposition products).

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

- **Acute Toxicity:**
 - Oral (Rat, LD₅₀): 4870 mg/kg
 - Dermal (Rabbit, LD₅₀): > 5000 mg/kg
 - Inhalation (Rat, LC₅₀): > 2000 mg/m³ (4-hour exposure, vapor)
- **Skin Corrosion/Irritation:** Category 2, causes mild skin irritation (Rabbit, 4-hour exposure)
- **Serious Eye Damage/Eye Irritation:** Category 2, causes serious eye irritation (Rabbit, 24-hour exposure)

- **Skin/Respiratory Sensitization:** No sensitizing effects (Guinea pig test)
- **Germ Cell Mutagenicity:** Negative (Ames test, in vitro)
- **Carcinogenicity:** Not classified as carcinogenic (IARC Group 3)
- **Reproductive Toxicity:** No reproductive toxicity (Rat test, normal dosage)
- **Specific Target Organ Toxicity:** No target organ toxicity with normal exposure

SECTION 12: Ecological Information

12.1 Toxicity

- Fish (Zebrafish, LC₅₀): 45 mg/L (96-hour exposure)
- Daphnia (EC₅₀): 22 mg/L (48-hour exposure)
- Algae (EC₅₀): 58 mg/L (72-hour exposure)

12.2 Persistence and Degradability

Biodegradable (BOD₅ /COD = 0.62) in natural aquatic environments; degradation rate > 70% in 28 days.

12.3 Bioaccumulative Potential

Low bioaccumulation potential (BCF < 150, fish test); no biomagnification in aquatic food chains.

12.4 Mobility in Soil

Low mobility in soil; binds to soil organic matter (Koc = 480).

12.5 PBT/vPvB Assessment

Not classified as PBT/vPvB (meets biodegradability criteria).

12.6 Other Adverse Effects

Harmful to aquatic invertebrates; no adverse effects on soil microorganisms at normal dosage.

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

- **Product Waste:** Unused or contaminated amylcinnamyl alcohol shall be disposed of to licensed waste treatment facilities in accordance with local/national/international regulations; do not dump into the environment.
- **Packaging Waste:** Rinse packaging with ethanol for residual removal, then dispose of as non-hazardous packaging waste or recycle after professional decontamination.
- **Spilled Waste:** Collect all spilled material and dispose of as product waste; do not mix with domestic waste.

13.2 Disposal Notes

Comply with China's Solid Waste Pollution Control Law and EU REACH waste disposal regulations; avoid environmental release during disposal.

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 in sealed, light-proof HDPE plastic drums or brown glass bottles; mark product information and hazard warnings clearly on the package.
- Avoid collision, extrusion, direct sunlight and high temperature during transport; keep away from strong oxidizing agents and acids.
- Transport by ordinary vehicles; no mixed transport with food, beverages, drugs and infant products.

SECTION 15: Regulatory Information

15.1 National and International Regulations

- **China:** GB 2760-2021 (approved food flavor additive); Cosmetic Safety Technical Specification (2015 version, approved for cosmetic use); GB/T 16483-2008 (MSDS compliance)
- **EU:** REACH (registered); CLP (GHS classification as H315, H319, H402, H412); Cosmetics Regulation (EC 1223/2009, approved for cosmetic use)
- **US:** TSCA (listed on inventory); FDA (approved for food flavor use); ACGIH (OEL 10 ppm)
- **International:** GHS Rev.9 (classification compliance); IFRA (International Fragrance Association) standards (approved for fragrance use)

15.2 Other Regulations

Comply with local fragrance and cosmetic raw material safety standards; comply with aquatic environmental protection regulations.

SECTION 16: Other Information

- **Further Information:** This MSDS is based on current scientific and regulatory information, complying with GB/T 16483, GB/T 17519, GHS, IMDG and IATA standards. It is for safe handling, storage, transport and disposal of the product. The supplier is not liable for damage caused by improper use or non-compliance with safety precautions.