# SAFETY DATA SHEET

**In accordance with 29 CFR 1910.1200**

**Product:** Exaltolide Total SDS-8257

**Version:** 1

## 1. IDENTIFICATION

### Product Identifier

**Product identifier:** Oxacyclohexadecan-2-one; CAS: 106-02-5

**Other identifiers:** None

### Recommended use of the chemical and restrictions on use

**Product uses:** Flavours,Fragrances

### Supplier Details

**Company name:** Perfumer's Apprentice

**Company address:** 170 Technology Circle
Scotts Valley
CA 95066
USA

**Contact:** Elisabeth Hanson

**E-Mail address:** regulatory@perfumersapprentice.com

**Company phone:** (831)316-7137

### Emergency telephone number

**Emergency phone:** ChemTel:1(800)255-3924, 01(813)248-0585 MIS6760377

## 2. HAZARD IDENTIFICATION

### Classification

**This product is classified under 29CFR 1910.1200(d) as follows:**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Class and category of danger:** Sensitization - Skin Category 1B

**Signal word:** Warning

**Hazard statements:** May cause an allergic skin reaction.

**M factor:** None

**Pictograms:**

**Precautionary statements:** Avoid breathing vapour or dust.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/eye protection/face protection.

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IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Dispose of contents/container to approved disposal site, in accordance with local regulations.

**Hazards not otherwise classified (HNOC)** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

The specific chemical identities of the ingredients in this mixture are considered to be trade secrets and are withheld in accordance with the provisions of 1910.1200 of the Code of Federal Regulations

## 4. FIRST-AID MEASURES

### Description of first aid measures

**Inhalation:** Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

**Eye exposure:** Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

**Skin exposure:** IF ON SKIN: Wash with plenty of soap and water.

**Ingestion:** Rinse mouth with water and obtain medical attention.

### Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

### Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically

## 5. FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable media: Carbon dioxide, Dry chemical, Foam.

### Specific hazards arising from the chemical

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

### Protective Equipment and Precautions for Firefighters

In case of insufficient ventilation, wear suitable respiratory equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

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**Methods and material for containment and cleaning up:**

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities:**

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters**

**Exposure guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Other exposure guidelines**

No information available

**Exposure controls**

**Engineering measures**

Showers, eyewash stations, ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/Face and Skin Protection**

Wear protective gloves/eye protection/face protection, and suitable protective clothing

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. A NIOSH-approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

| | |
|---|---|
| **Appearance:** | Not determined |
| **Odor:** | Not determined |
| **Odor threshold:** | Not determined |
| **pH:** | Not determined |
| **Melting point / freezing point:** | Not determined |
| **Initial boiling point / range:** | Not determined |
| **Flash point:** | > 356 °F / > 180 °C |
| **Evaporation rate:** | Not determined |
| **Flammability (solid, gas):** | Not determined |
| **Upper/lower flammability or explosive limits:** | Product does not present an explosion hazard |
| **Vapor pressure:** | Not determined |
| **Vapor density:** | Not determined |
| **Relative density:** | Not determined |
| **Solubility(ies):** | Not determined |
| **Partition coefficient: n-octanol/water:** | Not determined |
| **Auto-ignition temperature:** | Not determined |
| **Decomposition temperature:** | Not determined |
| **Viscosity:** | Not determined |

**Other information:** None available

## 10. STABILITY AND REACTIVITY

### Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

### Chemical stability:

Good stability under normal storage conditions.

### Possibility of hazardous reactions:

Not expected under normal conditions of use.

### Conditions to avoid:

Avoid extreme heat.

### Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

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**Hazardous decomposition products:**

Not expected.

## 11. TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

| | |
|---|---|
| **Acute Toxicity:** | Based on available data the classification criteria are not met. |
| Acute Toxicity Oral | Not Applicable |
| Acute Toxicity Dermal | Not Applicable |
| Acute Toxicity Inhalation | Not Available |
| **Skin corrosion/irritation:** | Based on available data the classification criteria are not met. |
| **Serious eye damage/irritation:** | Based on available data the classification criteria are not met. |
| **Respiratory or skin sensitisation:** | Sensitization - Skin Category 1B |
| **Germ cell mutagenicity:** | Based on available data the classification criteria are not met. |
| **Carcinogenicity:** | Based on available data the classification criteria are not met. |
| **Reproductive toxicity:** | Based on available data the classification criteria are not met. |
| **STOT-single exposure:** | Based on available data the classification criteria are not met. |
| **STOT-repeated exposure:** | Based on available data the classification criteria are not met. |
| **Aspiration hazard:** | Based on available data the classification criteria are not met. |

**Additional Information** None available

## 12. ECOLOGICAL INFORMATION

| | |
|---|---|
| **Ecotoxicity:** | Not available |
| **Persistence and degradability:** | Not available |
| **Bioaccumulative potential:** | Not available |
| **Mobility in soil:** | Not available |
| **Other adverse effects:** | Not available |

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

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| | 14.1 UN number: | 14.2 UN Proper Shipping Name: | 14.3 Transport hazard class(es): | Sub Risk: | 14.4. Packing Group: |
|---|---|---|---|---|---|
| **UN Model Regulations** | UN3077 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYCLOPENTADECANOLIDE) | 9 | - | III |
| **US DOT** | UN3077 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYCLOPENTADECANOLIDE) | 9 | - | III |
| **US DOT (Bulk)** | UN3077 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYCLOPENTADECANOLIDE) | 9 | - | III |
| **IMDG** | UN3077 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYCLOPENTADECANOLIDE) MARINE POLLUTANT | 9 | - | III |
| **ADR,RID,ADN** | UN3077 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYCLOPENTADECANOLIDE) | 9 | - | III |
| **ICAO TI** | UN3077 | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CYCLOPENTADECANOLIDE) | 9 | - | III |

US DOT refers to domestic transport by road/rail within the 48 ground states

US DOT (Bulk) refers to domestic bulk transport by road/rail within the 48 ground states.

**Environmental hazards:** This is an environmentally hazardous substance. This substance is marine pollutant.

**Special precautions for user:** None additional

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

None additional

**Additional information**

None additional

## 16. OTHER INFORMATION

Issue date: 08/12/2025

Version: 1 Version Date: 08/12/2025

**Key to revisions:**

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Not applicable

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.