



# Safety Data Sheet

This safety data sheet complies with the requirements of:  
US OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Product code**

10123-01

**Product name**

CYCLAMEN ALDEHYDE TOCO ALPHA

**Issuing Date** 26-Nov-2024

**Revision date** 26-Nov-2024

**Version** 2

## 1. Identification

**Product identifier****Product name**

CYCLAMEN ALDEHYDE TOCO ALPHA

**Other means of identification****Product code**

10123-01

**Synonyms**

2-Methyl-3-(p-isopropylphenyl)propionaldehyde

**Recommended use of the chemical and restrictions on use****Recommended Use**

Industry Use

**Restrictions on use**

No information available

**Details of the supplier of the safety data sheet****Supplier Address**

Tilley Distribution  
355 Chestnut Street  
Norwood, NJ 07648  
Phone: (201) 784-6100 Fax: (201) 784-8566

**Emergency telephone number****Company Phone Number**

Use CHEMTREC instead of Emergency Phone Number

**Emergency telephone**

Chemtrec 1-800-424-9300  
Contract# CCN22338

## 2. Hazard(s) identification

**Classification**

|                           |             |
|---------------------------|-------------|
| Skin corrosion/irritation | Category 2  |
| Skin sensitization        | Category 1B |
| Flammable liquids         | Category 4  |

**Hazards not otherwise classified (HNOC)**

Not applicable

**Label elements**

**Warning****Hazard statements**

Causes skin irritation  
May cause an allergic skin reaction  
Combustible liquid

**Appearance** Clear**Physical state** Liquid**Odor** Characteristic odor**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Keep away from flames and hot surfaces. - No smoking  
Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response**

Specific treatment (see ? on this label)  
IF ON SKIN: Wash with plenty of water and soap  
Take off contaminated clothing and wash it before reuse  
If skin irritation or rash occurs: Get medical advice/attention  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish

**Precautionary Statements - Storage** Store in a well-ventilated place. Keep cool**Precautionary Statements - Disposal** Dispose of contents/container to an approved waste disposal plant**Other Information**

May be harmful if swallowed. Harmful to aquatic life with long lasting effects. Toxic to aquatic life.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture****Synonyms**

2-Methyl-3-(p-isopropylphenyl)propionaldehyde.

**Chemical Family**

Aromatic aldehyde.

**Formula**

C<sub>13</sub>H<sub>18</sub>O

| Chemical name     | CAS No.   | Weight-% | Food additive code |
|-------------------|-----------|----------|--------------------|
| Cyclamen aldehyde | 103-95-7  | 99.98    | N/A                |
| Tocopherol        | 2074-53-5 | 0.02     | E307               |

**4. First-aid measures**

**Description of first aid measures**

|                                           |                                                                                                                                                                                                                                                                                |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General advice</b>                     | Show this safety data sheet to the doctor in attendance.                                                                                                                                                                                                                       |
| <b>Inhalation</b>                         | Remove to fresh air. Get medical attention immediately if symptoms occur.                                                                                                                                                                                                      |
| <b>Eye contact</b>                        | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.                                                       |
| <b>Skin contact</b>                       | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.                                                               |
| <b>Ingestion</b>                          | Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician.                                                                                                                                                                  |
| <b>Self-protection of the first aider</b> | Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Wear personal protective clothing (see section 8). Avoid contact with skin, eyes or clothing. |

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

|                 |                         |
|-----------------|-------------------------|
| <b>Symptoms</b> | Itching. Rashes. Hives. |
|-----------------|-------------------------|

**Indication of any immediate medical attention and special treatment needed**

|                           |                                                                        |
|---------------------------|------------------------------------------------------------------------|
| <b>Note to physicians</b> | May cause sensitization in susceptible persons. Treat symptomatically. |
|---------------------------|------------------------------------------------------------------------|

**5. Fire-fighting measures**

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Suitable Extinguishing Media</b><br><b>Large Fire</b>              | Dry chemical. Carbon dioxide (CO <sub>2</sub> ). Water spray. Alcohol resistant foam.<br>CAUTION: Use of water spray when fighting fire may be inefficient.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Unsuitable extinguishing media</b>                                 | Do not scatter spilled material with high pressure water streams. May spread fire.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Specific hazards arising from the chemical</b>                     | Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Product is or contains a sensitizer. May cause sensitization by skin contact. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate the area. Deny access to the spill area to persons who are not involved in the cleanup and/or have not been properly trained in spill management of hazardous/flammable liquids. Protect product from flames of any kind; maintain proper clearance when using heat devices, etc. Closed container may rupture (due to build up in pressure) when exposed to extreme heat. Product may burn if an ignition source is present. COMBUSTION HAZARD: waste soaked with this product may heat to temperatures causing self-ignition if improperly discarded. Many aldehydes readily oxidize exothermically when exposed to air. Any clean up materials, like rags, towels, etc. should be washed with water with mild soap or laundered with mild detergent before proper disposal to avoid the potential temperature rise from oxidation. Vapors may spread long distances and ignite. |
| <b>Hazardous combustion products</b>                                  | Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Explosion data</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Sensitivity to mechanical impact</b>                               | None.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Sensitivity to static discharge</b>                                | Yes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Special protective equipment and precautions for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

#### Other information

Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

#### Methods for containment

Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal. Contain by diking with sand, earth, or other non-combustible material. Change contaminated clothing and laundry before reuse. COMBUSTIBLE HAZARD: Waste soaked with this product may heat to temperatures causing self-ignition if improperly discarded. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Place absorbent material contaminated with this product in a sealed water-filled metal container immediately after use to avoid spontaneous combustion.

#### Methods for cleaning up

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

#### Advice on safe handling

Use personal protection equipment. Do not breathe vapor or mist. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Use with local exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store in combustible storage area and away from heat and open flame. Bond and ground all containers when transferring chemical.

## 8. Exposure controls/personal protection

### Control parameters

#### Exposure Limits

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

**Appropriate engineering controls**

**Engineering controls**                      Showers  
                                                          Eyewash stations  
                                                          Ventilation systems.

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

**Eye/face protection**                      Tight sealing safety goggles.

**Hand protection**                              Wear suitable gloves. Impervious gloves.

**Skin and body protection**                      Wear suitable protective clothing. Long sleeved clothing.

**Respiratory protection**                      No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**                      Do not eat, drink or smoke when using this product. Contaminated work clothing must not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Wear suitable gloves and eye/face protection.

**9. Physical and chemical properties****Information on basic physical and chemical properties**

**Physical state**                              Liquid  
**Appearance**                                Clear  
**Color**                                        Colorless to Pale Yellow  
**Odor**                                        Characteristic odor  
**Odor threshold**                              No information available

| <b><u>Property</u></b>                | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|---------------------------------------|----------------------|--------------------------------|
| <b>pH</b>                             | No data available    | None known                     |
| <b>Melting point / freezing point</b> | No data available    | None known                     |
| <b>Boiling point / boiling range</b>  | 270 °C / 518 °F      |                                |
| <b>Flash Point</b>                    | 80 °C / 176 °F       | CC (closed cup)                |
| <b>Evaporation Rate</b>               | No data available    | None known                     |
| <b>Flammability (solid, gas)</b>      | No data available    | None known                     |
| <b>Flammability Limit in Air</b>      |                      | None known                     |
| <b>Upper flammability limit:</b>      | No data available    |                                |
| <b>Lower flammability limit:</b>      | No data available    |                                |
| <b>Vapor pressure</b>                 | No data available    | None known                     |
| <b>Vapor Density</b>                  | No data available    | None known                     |
| <b>Relative density</b>               | 0.943 - 0.950        | (25°C)                         |
| <b>Water solubility</b>               | No data available    | None known                     |
| <b>solubility(ies)</b>                | No data available    | None known                     |
| <b>Partition coefficient</b>          | No data available    | None known                     |
| <b>Autoignition Temperature</b>       | No data available    | None known                     |
| <b>Decomposition temperature</b>      |                      | None known                     |
| <b>Kinematic viscosity</b>            | No data available    | None known                     |
| <b>Dynamic viscosity</b>              | No data available    | None known                     |

**Other information**

**Explosive properties**                      No information available  
**Oxidizing properties**                      No information available  
**Softening point**                              No information available  
**Molecular weight**                              190.29  
**VOC content**                                  No information available  
**Density**                                        No information available

**Bulk Density** No information available

## 10. Stability and reactivity

**Reactivity** No information available.

**Chemical stability** Stable under normal conditions.

**Possibility of hazardous reactions** None under normal processing.

**Conditions to avoid** Heat, flames and sparks.

**Incompatible materials** Strong acids. Strong bases. Strong oxidizing agents.

**Hazardous decomposition products** None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

#### Product Information

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.

**Eye contact** Avoid contact with eyes.

**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

**Ingestion** Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful if swallowed.

### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Itching. Rashes. Hives. Redness. May cause redness and tearing of the eyes.

### Acute toxicity

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 3,810.80 mg/kg

#### Component Information

| Chemical name                 | Oral LD50            | Dermal LD50          | Inhalation LC50 |
|-------------------------------|----------------------|----------------------|-----------------|
| Cyclamen Aldehyde<br>103-95-7 | = 3810 mg/kg ( Rat ) | > 5000 mg/kg ( Rat ) | -               |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** Classification based on data available for ingredients. Causes skin irritation.

**Serious eye damage/eye irritation** No information available.

|                                   |                                                                                                      |
|-----------------------------------|------------------------------------------------------------------------------------------------------|
| Respiratory or skin sensitization | May cause an allergic skin reaction.                                                                 |
| Germ cell mutagenicity            | No information available.                                                                            |
| Carcinogenicity                   | No information available.                                                                            |
| Reproductive toxicity             | This product does not contain any known or suspected reproductive hazards above the threshold value. |
| STOT - single exposure            | No information available.                                                                            |
| STOT - repeated exposure          | No information available.                                                                            |
| Aspiration hazard                 | No information available.                                                                            |
| Other adverse effects             | No information available.                                                                            |
| Interactive effects               | No information available.                                                                            |

## 12. Ecological information

|                               |                                                                           |
|-------------------------------|---------------------------------------------------------------------------|
| Ecotoxicity                   | Toxic to aquatic life. Harmful to aquatic life with long lasting effects. |
| Persistence and degradability | No information available.                                                 |

### Bioaccumulation

| Chemical name                 | Partition coefficient |
|-------------------------------|-----------------------|
| Cyclamen Aldehyde<br>103-95-7 | 3.4                   |

|                       |                           |
|-----------------------|---------------------------|
| Other adverse effects | No information available. |
|-----------------------|---------------------------|

## 13. Disposal considerations

### Waste treatment methods

|                                     |                                                                                                                 |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Waste from residues/unused products | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| Contaminated packaging              | Do not reuse empty containers.                                                                                  |

## 14. Transport Information

|     |               |
|-----|---------------|
| DOT | Not Regulated |
|-----|---------------|

IATA Not Regulated

IMDG Not Regulated

## 15. Regulatory information

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### US State Regulations

#### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

**EPA Pesticide registration number** Not applicable

## 16. Other information

|             |                  |                |                    |                       |
|-------------|------------------|----------------|--------------------|-----------------------|
| <u>NFPA</u> | Health hazards 2 | Flammability 2 | Instability 0      | Special hazards -     |
| <u>HMIS</u> | Health hazards 2 | Flammability 2 | Physical hazards 0 | Personal Protection X |

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### LEG8 SECTION 8: Exposure controls/personal protection

|         |                             |      |                                  |
|---------|-----------------------------|------|----------------------------------|
| TWA     | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value         | *    | Skin designation                 |

### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)

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Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

**Revision date**

26-Nov-2024

**Revision note**

No information available.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Classification and labeling according to the IFRA/IOFI Labeling Manual 2023.

**End of Safety Data Sheet**



**TILLEY**  
**DISTRIBUTION**