



Revision Date: 23-Dec-2025

# Safety Data Sheet

## Spartan Chemical Company, Inc.

### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

**Product Name:** CITRUS MANGO SOLID AIR  
**Product Code:** 8090  
**Recommended Use:** Air freshener  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
www.spartanchemical.com

**24 Hour Emergency Phone**

**Numbers:**  
**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Skin sensitization: Category 1B

**Label elements**

**Signal word:**

**Warning**

**Symbols:**



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

**Precautionary Statements - Prevention:** Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing must not be allowed out of the workplace  
Wear protective gloves

**Precautionary Statements - Response:**

**Skin:** IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.  
**-Specific Treatment:** See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

**Precautionary Statements - Storage:** Not applicable.  
**Precautionary Statements - Disposal:** Dispose of contents and container in accordance with local, state and federal regulations.

**Hazards not otherwise classified (HNOC):** Not applicable

**Other hazards:**

- May be harmful if swallowed
- May cause skin irritation.

- May cause eye irritation
- Keep out of reach of children
- Causes mild skin irritation

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Ethylene/Va copolymer	24937-78-8	60-80
Benzyl Benzoate	120-51-4	5-10
Fragrance	PROPRIETARY	3-7
Ethylene Brassylate	105-95-3	1-5
Tricyclodecanyl Propionate	17511-60-3	1-5
Gamma-Undecalactone	104-67-6	1-5
Linalool	78-70-6	1-5
Hexyl Cinnamal	101-86-0	0.1-1
Citral	5392-40-5	0.1-1
Terpineol	8000-41-7	0.1-1
Verdyl Acetate	5413-60-5	0.1-1
Nerolin Bromelia	93-18-5	0.1-1
Ethyl Methylphenylglycidate	77-83-8	0.1-1
Diethyl Malonate	105-53-3	0.1-1
Cyclamen Aldehyde	103-95-7	0.1-1
Benzyl Acetate	140-11-4	0.1-1
A-Terpinyl Acetate	80-26-2	0.1-1
2,6-Dimethyl-7-Octen-2-ol	18479-58-8	0.1-1
Linalyl Acetate	115-95-7	0.1-1
2,4-Dimethyl-3-Cyclohexene Carboxaldehyde	68039-49-6	0.1-1
Eucalyptol	470-82-6	<0.1
Limonene	5989-27-5	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>Eye contact:</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
<b>Skin contact:</b>	Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.
<b>Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or physician if you feel unwell.
<b>Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.
<b>Note to physicians:</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.
<b>Specific Hazards Arising from the Chemical:</b>	Dried product is capable of burning. Combustion products are toxic.
<b>Hazardous Combustion Products:</b>	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for cleaning up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on safe handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.
<b>Storage Conditions:</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep from freezing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor Sk* dermal sensitizer	-	-
Benzyl Acetate 140-11-4	TWA: 10 ppm	-	-

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered.
------------------------------	---

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

<b>Eye/face protection:</b>	Not required with expected use.
<b>Skin and body protection:</b>	Wear rubber or other chemical-resistant gloves.
<b>Respiratory protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General hygiene considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical state:</b>	Solid
<b>Color:</b>	Orange
<b>Odor:</b>	Citrus fragrance
<b>Odor Threshold:</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH:</b>	Not Applicable	
<b>Melting Point / Freezing Point:</b>	60 °C / 140 °F	
<b>Boiling Point / Boiling Range:</b>	100 °C / 212 °F	
<b>Flash Point:</b>	> 100 °C / 212 °F	ASTM D56
<b>Evaporation Rate:</b>	< 1	(BuAc = 1)
<b>Flammability (solid, gas):</b>	No data available	No information available
<b>Flammability Limits in Air:</b>		No information available
<b>Upper Flammability Limit:</b>	No data available	
<b>Lower Flammability Limit:</b>	No data available	
<b>Vapor Pressure:</b>	No data available	No information available
<b>Vapor Density:</b>	No data available	No information available
<b>Relative Density:</b>	1.00	

<b>Solubility(ies):</b>	Soluble in water	
<b>Partition Coefficient:</b>	No data available	No information available
<b>Autoignition Temperature:</b>	Not applicable	
<b>Decomposition Temperature:</b>	Not applicable	
<b>Kinematic Viscosity:</b>	No information available	No information available
<b>Particle characteristics:</b>	Not applicable	

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Not expected to occur with normal handling and storage.
<b>Conditions to Avoid:</b>	Extremes of temperature and direct sunlight
<b>Incompatible materials:</b>	Strong oxidizing agents. Strong acids.
<b>Hazardous decomposition products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>Eye contact:</b>	Pain and redness.
<b>Skin contact:</b>	Drying of the skin. May cause sensitization by skin contact.
<b>Inhalation:</b>	Nasal discomfort and coughing.
<b>Ingestion:</b>	Pain, nausea, vomiting and diarrhea.

### Immediate, Delayed, Chronic Effects

Product Information: Data not available or insufficient for classification.

### Acute toxicity

#### **Numerical measures of toxicity:**

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

ATEmix (oral)	17,339.20 mg/kg
ATEmix (dermal)	26,011.50 mg/kg

#### **Component Information:**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl Benzoate 120-51-4	> 2000 mg/kg ( Rat )	= 4000 mg/kg ( Rabbit )	-
Ethylene Brassylate 105-95-3	> 5000 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Tricyclodecanyl Propionate 17511-60-3	> 5 g/kg ( Rat )	-	-
Gamma-Undecalactone 104-67-6	= 18500 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Linalool 78-70-6	= 2790 mg/kg ( Rat )	= 5610 mg/kg ( Rabbit )	-
Hexyl Cinnamal 101-86-0	= 3100 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	> 5 mg/L ( Rat ) 4 h
Citral 5392-40-5	= 4960 mg/kg ( Rat )	= 2250 mg/kg ( Rabbit )	-
Terpineol 8000-41-7	= 2900 mg/kg ( Rat )	> 3000 mg/kg ( Rabbit )	-
Verdyl Acetate 5413-60-5	-	> 5000 mg/kg ( Rabbit )	-
Nerolin Bromelia 93-18-5	= 3110 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
Ethyl Methylphenylglycidate 77-83-8	= 5470 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Diethyl Malonate	= 14900 µL/kg ( Rat )	> 16960 mg/kg ( Rabbit )	-

105-53-3			
Cyclamen Aldehyde 103-95-7	= 3810 mg/kg ( Rat )	> 5000 mg/kg ( Rat )	-
Benzyl Acetate 140-11-4	= 2490 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	-
A-Terpinyl Acetate 80-26-2	= 5075 mg/kg ( Rat )	-	-
2,6-Dimethyl-7-Octen-2-ol 18479-58-8	= 3600 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Linalyl Acetate 115-95-7	= 14550 mg/kg ( Rat )	> 5000 mg/kg ( Rabbit )	> 18.94 mg/L ( Rat ) 8 h
Eucalyptol 470-82-6	= 2480 mg/kg ( Rat )	-	-
Limonene 5989-27-5	= 5200 mg/kg ( Rat ) = 4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Benzyl Benzoate 120-51-4	-	LC50: =2.32mg/L (96h, Danio rerio)	-	-
Linalool 78-70-6	EC50: =88.3mg/L (96h, Desmodesmus subspicatus)	LC50: =27.8mg/L (96h, Oncorhynchus mykiss)	-	EC50: =20mg/L (48h, Daphnia magna)
Citral 5392-40-5	EC50: =16mg/L (72h, Desmodesmus subspicatus) EC50: =19mg/L (96h, Desmodesmus subspicatus)	-	-	EC50: =7mg/L (48h, Daphnia magna)
Ethyl Methylphenylglycidate 77-83-8	-	LC50: =4.2mg/L (96h, Oncorhynchus mykiss)	-	-
Diethyl Malonate 105-53-3	EC50: =508.2mg/L (72h, Desmodesmus subspicatus)	LC50: 10.3 - 13.4mg/L (96h, Pimephales promelas)	-	EC50: =202.3mg/L (48h, Daphnia magna)
A-Terpinyl Acetate 80-26-2	-	LC50: >11mg/L (96h, Pimephales promelas)	-	-
Linalyl Acetate 115-95-7	-	LC50: =11mg/L (96h, Cyprinus carpio)	-	-
Eucalyptol 470-82-6	-	LC50: 95.4 - 109mg/L (96h, Pimephales promelas)	-	-
Limonene 5989-27-5	-	LC50: 0.619 - 0.796mg/L (96h, Pimephales promelas) LC50: =35mg/L (96h, Oncorhynchus mykiss)	-	-

**Persistence and Degradability:** No information available.  
**Bioaccumulation:** No information available.

**Mobility in Soil:** No information available  
**Other adverse effects:** No information available.

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues/unused products:** Dispose of in accordance with federal, state and local regulations.  
**Contaminated packaging:** Dispose of in accordance with federal, state and local regulations.

### 14. TRANSPORT INFORMATION

**DOT:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product  
**Special Provisions:** Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.

**IMDG:** Not Regulated  
**Proper Shipping Name:** Non Hazardous Product

### 15. REGULATORY INFORMATION

**TSCA** (Toxic Substance Control Act Section 8(b) Inventory)  
 All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**SARA 313**  
 This product does not contain listed substances above the "de minimus" level

#### SARA 311/312 Hazard Categories

<b>Acute health hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire hazard:</b>	No
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	No

**California Proposition 65**  
 This product is not subject to warning requirements under California Proposition 65.

### 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health hazards:</b> 1	<b>Flammability:</b> 0	<b>Instability:</b> 0	<b>Special hazards:</b> -
<b>HMIS</b>	<b>Health hazards:</b> 1*	<b>Flammability:</b> 0	<b>Physical hazards:</b> 0	

**Revision Date:** 23-Dec-2025  
**Revision Note:** New product

#### 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.

**End of Safety Data Sheet**