

# MATERIAL SAFETY DATA SHEET

(Rev-I-Dec-2014)

Cinnamyl Isobutyrate

## Section 1: IDENTIFICATION OF THE SUBSTANCE AND OF COMPANY

Product Name	<b>Cinnamyl Isobutyrate</b>
Chemical Name	3-phenylprop-2-enyl-2-methylpropanoate
CAS No.	103-59-3
EC No.	203-126-6
Usage	This product is only intended for using as an ingredient in the manufacturing of mixtures.
Manufacturer	<b>Breeze Intermediates Pvt. Ltd.</b> Z-39, Dahej SEZ, Dahej, Ta. Vagra, Dist. Bharuch (Guj.) India Tel.: +91 9825107638 Email: <a href="mailto:info@breezeipl.com">info@breezeipl.com</a> , <a href="mailto:qc@breezeipl.com">qc@breezeipl.com</a>
Emergency telephone no.	+91 9825107638, +91 9925031257

## Section 2: HAZARDS IDENTIFICATION

Classification as per EC No. 1272/2008	This substance is not classified as dangerous according to Regulation (EC) No 1272/2008.
Classification as per Dir. 67/548/EEC	This substance is not classified as dangerous according to Directive 67/548/EEC.
OSHA Hazard	No
Label elements including precautionary statement	EC: 203-126-6
Risk Phrases	R-36/38 – Irritantating to skin and eyes
HMIS Classification	Health hazard: 2      Flammability: 1      Physical hazards: 0
Potential Health Effects	PRIMARY ROUTES OF EXPOSURE: Eyes, Skin EFFECTS OF EXPOSURE: May be irritating to the skin and eyes. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort. Vapors or mist, in excess of permissible concentration, or in unusually high concentration generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the throat and nose, headache, nausea and drowsiness.
Other Hazards	The product does not contain substances included in the Substances of Very High Concern list (> 0.1 % w/w).

### Section 3: INFORMATION ON INGREDIENTS

Concentration of the constituent (% wt/wt)	90-100%
Chemical name	3-phenylprop-2-enyl-2-methylpropanoate
Chemical Entity	Aryl substituted primary alcohol/aldehyde/acid/ester/acetal derivatives, including unsaturated ones.
Molecular Formula	C <sub>13</sub> H <sub>16</sub> O <sub>2</sub> (M.W. = 204.27 g/mol)
CAS No.	103-59-3
EC/EINECS No.	203-126-6
FEMA	2297

### Section 4: FIRST AID MEASURES

Consumption (Ingestion)	If swallowed, rinse mouth with water. Seek medical advice immediately and show this container or label. Do NOT induce vomiting.
Eye Exposure	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Inhalation	Remove person to fresh air and keep at rest.
Skin Exposure	Remove contaminated clothes. Rinse skin with plenty of water or shower. Refer for medical attention.
Most important symptoms and effects, both acute and delayed	Read label before use. No additional information available.
Immediate medical attention special treatment	Not applicable.
Others	None

### Section 5: FIRE-FIGHTING MEASURES

Extinguishing Media	Carbon dioxide, dry chemical powder or appropriate foam. For safety reasons do not use full water jet.
Hazards arising from the substance	Not applicable.
Combustible Liquid	Keep away from source of heat, flame or spark. Cool endangered drums with water.
Advices for firefighters	In case of fire in the surrounding area, follow the recommendations below: 1-Closed containers may build up pressure at elevated temperatures. 2-Avoid inhalation of fumes or vapours. Use appropriate respiratory protection. 3-Prevent run-off from fire fighting to enter drains or water courses.

### **Section 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Wear appropriate gloves to prevent skin exposure. Avoid contact with skin and inhalation of its vapours or smoke. Maintain adequate ventilation in the working area after spilling.
Environmental precautions	Do not let product enter drains.
Methods and material for containment and cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.
Reference to other sections	Refer to section 13 Disposal considerations

### **Section 7: HANDLING AND STORAGE**

Precautions for safe handling	Keep away from food, drink and animal feedingstuffs. Do not smoke. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.
Condition for Storage	Keep the product in its original container well sealed, in a dry and ventilated area, away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.
Specific end use(s)	Not available

### **Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Control parameters	Declaration of substances is not required.
Exposure controls	Personal protection equipment: Use personal protection equipment according to Directive 89/686/EEC. Eye/Face protection: Chemical safety goggles are recommended. Wash contaminated goggles before reuse. Respiratory Protection: Use personal breathing apparatus whenever deemed necessary. Skin Protection: Avoid contact with skin. Wear suitable gloves. Engineering Controls-Ventilation: The areas where the product is handled and stored should be adequately ventilated.

### Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless to pale yellow clear liquid
Odor	Fruity, Balsamic, sweet
pH value	No data available
Boiling point	254 °C.
Melting point	No data available
Flash point (closed cup)	> 100 °C
Vapour Pressure	0.002000 mm/Hg @ 20.00 °C.
Vapour Density	7.04 (Air=1)
Solubility in Water	Insoluble
Solubility in Alcohol	1 ml soluble in 1 ml 95% Alcohol
Specific Gravity	1.0060 – 1.0090 @ 25.00 °C.
Partition Coefficient (Octanol/Water)	3.504 (est.)

### Section 10: STABILITY AND REACTIVITY

Chemical stability	Stable under normal operational condition.
Reactivity	Not available
Incompatibility	Oxidizing mineral acids, Strong Oxidizing Agents, Strong Reducing Agents.
Hazardous decomposition products	Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

### Section 11: TOXOLOGICAL INFORMATION

Acute toxicity	LD <sub>50</sub> Oral - rat - > 5,000 mg/kg LD <sub>50</sub> Dermal - rabbit - > 5,000 mg/kg
Inhalation Toxicity (LD <sub>50</sub> )	Not Determined
Skin corrosion/irritation	Mild skin irritation – 24 Hrs
Human Experience	4% solution: no irritation or sensitization
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	<u>IARC</u> : No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. <u>ACGIH</u> : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. <u>NTP</u> : No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. <u>OSHA</u> : No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity	No data available
Specific target organ toxicity	No data available

single exposure (GHS)	
Specific target organ toxicity repeated exposure (GHS)	No data available
Aspiration hazard	No data available
Potential health effects	<u>Inhalation</u> : May be harmful if inhaled. Causes respiratory tract irritation. <u>Ingestion</u> : Harmful if swallowed. <u>Skin</u> : May be harmful if absorbed through skin. Causes skin irritation. <u>Eyes</u> : Causes eye irritation.
Signs and Symptoms of Exposure	No data available
Additional Information	RTECS: NQ4558000

### **Section 12: ECOLOGICAL INFORMATION**

General	Prevent contamination of soil, ground and surface waters. Do not discharge product unmonitored into the environment.
Acute aquatic Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
PBT and vPvB assessment	No data available
Other adverse effects	Do not allow the material to enter streams, sewers or other waterways

### **Section 13: DISPOSAL CONSIDERATION**

Product Disposal	Dispose of according all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.
Packaging	Don not re-use empty containers. Empty residue into a suitable disposal site. Contaminated packaging should be disposed of as unused product.

### **Section 14: TRANSPORT INFORMATION**

<i>International Carriage of Dangerous Goods by Road (ADR)</i>	
UN No.	N/A
Proper Shipping Name	Not subject to ADR. Not dangerous goods
Packing Group	---
Class	---
Tunnel restriction code	---
Label	---
<i>Air Transport (ICAO/IATA)</i>	
UN No.	N/A
Proper Shipping Name	Not restricted, Not dangerous goods
Class	---
Packing Group	---
<i>Sea Transport (IMDG)</i>	

UN No.	N/A
Proper Shipping Name	Not restricted, Not dangerous goods
Class	---
Packing Group	---
EmS	---
Marine Pollutant	No

### Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance	Substance(s) is (are) either included in EINECS, ELINCS, NPL inventories or exempted
Hazard Symbol	Xi – irritant
Risk Phrases	R 36/38 - Irritating to skin and eyes.
Safety Phrases	S 26 – Keep out of the reach of children S 26 - In case of contact with eyes, rinses immediately with plenty of water and seeks medical advice. S 37/39 - Wear suitable gloves and eye/face protection.
WGK Germany	2
Chemical safety assessment	Not available

### Section 16: OTHER INFORMATION

Hazardous materials identification system	Fire: 1    Health: 2    Reactivity: 0    Personal Protection: B
This material should be used for industrial purposes only.	

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