# [TH] Plai CO2 Extract - Zingiber cassumunar

*Zingiber purpureum · Zingiberaceae*

Prepared in accordance with Regulation (EC) No 1907/2006 (REACH) Annex II as amended by Commission Regulation (EU) 2020/878, and the UN GHS. The 16-section format also meets US OSHA HCS 29 CFR 1910.1200 Appendix D and Canada WHMIS 2015 (Hazardous Products Regulations, SOR/2015-17).

## Section 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

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| **Product name** | [TH] Plai CO2 Extract - Zingiber cassumunar |
| **INCI name(s)** | Zingiber Cassumunar Rhizome Extract, Maltodextrin (or Microcrystalline Cellulose) |
| **Botanical source** | *Zingiber purpureum*, rhizome |
| **Product code** | 39640-EXTD-ZICAS |
| **Type of product** | Mixture |

### 1.2 Relevant identified uses and uses advised against

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| **Identified uses** | Raw material for professional / industrial formulation of cosmetics & personal care, food & beverage, nutraceuticals (herbal tea & infusions, skincare, supplements). |
| **Uses advised against** | Uses other than those identified. Not for direct medicinal use. Not for use by the general public without further formulation and labelling. |

### 1.3 Details of the supplier of the safety data sheet

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| **Supplier** | **THE AVAM COMPANY**<br>H-108, Sector-63<br>Noida 201301, Uttar Pradesh, India |
| **Telephone** | +91 817 8117 600 |
| **E-mail (competent person / emergency)** | contact@wholesalerco.com |

### 1.4 Emergency telephone number

+91 817 8117 600 (24 h) · contact@wholesalerco.com. In a medical emergency also call your local emergency number (112 in the EU, 999 in the UK, 911 in the US and Canada) or your national poison centre.

## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture (Regulation (EC) No 1272/2008 (CLP) / UN GHS)

- Not classified as hazardous according to the criteria of Regulation (EC) No 1272/2008 (CLP) / UN GHS.

### 2.2 Label elements

No hazard pictogram, signal word or hazard statement required.

### 2.3 Other hazards

May form combustible dust concentrations in air (US OSHA: hazard not otherwise classified, HNOC). Does not contain substances assessed as PBT/vPvB or as endocrine disruptors at ≥ 0.1 %.

## Section 3. Composition / information on ingredients

3.2 Mixture

| COMPONENT (INCI) | CAS | EC | CONCENTRATION | CLASSIFICATION |
|---|---|---|---|---|
| Zingiber Cassumunar Rhizome Extract<br>Botanical extract (dry) | 84696-15-1 | — | 80–90 % | Not classified |
| Maltodextrin<br>Filler / carrier — alternative | 9050-36-6 | 232-940-4 | 10–20 % (either filler; COA states which) | Not classified |
| Microcrystalline Cellulose<br>Filler / carrier — alternative | 9004-34-6 | 232-674-9 | 10–20 % (either filler; COA states which) | Not classified |

Natural botanical material of variable composition. No other ingredients that are classified as hazardous and contribute to the classification are present at or above reportable thresholds, to the best of our knowledge.

## Section 4. First-aid measures

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| **Inhalation** | Move to fresh air. If irritation of the airways or breathing difficulty persists, get medical advice. |
| **Skin contact** | Brush off and wash with soap and water. Get medical advice if irritation develops. |
| **Eye contact** | Rinse cautiously with water for several minutes; remove contact lenses if easy to do. Get medical advice if irritation persists. |
| **Ingestion** | Rinse mouth with water. Not expected to be harmful in small amounts; get medical advice if you feel unwell. |
| **Most important symptoms** | Dust may cause mechanical irritation of eyes and airways. Botanical dusts may cause allergic reactions in sensitised people. |
| **Immediate medical attention** | Not normally required. Treat symptomatically. |

## Section 5. Fire-fighting measures

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| **Suitable media** | Water spray, foam, dry chemical, carbon dioxide. Use a gentle spray to avoid raising dust. |
| **Unsuitable media** | Direct high-pressure water jet (may disperse dust). |
| **Specific hazards** | Combustible solid. Fine dust dispersed in air in sufficient concentration may form an explosive mixture with an ignition source. Combustion produces carbon monoxide and carbon dioxide. |
| **Advice for firefighters** | Wear self-contained breathing apparatus and full protective clothing. |

## Section 6. Accidental release measures

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| **Personal precautions** | Avoid creating and breathing dust. Wear suitable protective equipment (see Section 8). |
| **Environmental precautions** | Prevent large quantities entering drains or surface water. |

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| **Clean-up** | Sweep or vacuum up (preferably with an explosion-protected vacuum) and place in a closed container for disposal. Avoid dry sweeping that raises dust. |
| **Reference to other sections** | See Sections 8 and 13. |

## Section 7. Handling and storage

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| **Precautions for safe handling** | Avoid dust formation and dust accumulation on surfaces. Keep away from ignition sources; ground equipment when transferring large quantities. Observe good hygiene; do not eat, drink or smoke in work areas. |
| **Conditions for safe storage** | Store in tightly closed original containers in a cool (below 25 °C), dry, well-ventilated place, away from direct sunlight, moisture, strong odours and incompatible materials. |
| **Specific end uses** | See Section 1.2. |

## Section 8. Exposure controls / personal protection

### 8.1 Control parameters

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| **Inhalable dust (general)** | Observe national occupational limits for nuisance/inert dust, e.g. ACGIH TLV (PNOS) 10 mg/m³ inhalable, 3 mg/m³ respirable; US OSHA PEL (PNOR) 15 mg/m³ total, 5 mg/m³ respirable. |

DNEL / PNEC: no data available.

### 8.2 Exposure controls

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| **Engineering controls** | Use local exhaust ventilation where dust is generated. |
| **Eyes protection** | Safety glasses with side shields (EN 166 / ANSI Z87.1) where dust is generated. |
| **Skin protection** | Protective gloves (e.g. nitrile) for prolonged contact; work clothing. |
| **Respiratory protection** | Where dust is generated, a particle filter mask (EN 149 FFP2 / NIOSH N95). |
| **Hygiene measures** | Wash hands before breaks and after work. Do not eat, drink or smoke when handling. |
| **Environmental exposure** | Avoid release of large quantities to drains and the environment. |

## Section 9. Physical and chemical properties

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| **Physical state** | Solid (powder) |
| **Colour** | Characteristic |
| **Odour** | Characteristic |
| **Melting point / freezing point** | Not determined |
| **Boiling point or initial boiling point** | Not determined |
| **Flammability** | Combustible solid; not classified as a flammable solid |
| **Lower and upper explosion limits** | Not determined |
| **Flash point** | Not applicable (solid) |

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| **Auto-ignition temperature** | Not determined |
| **Decomposition temperature** | Not determined |
| **pH** | Not determined |
| **Kinematic viscosity** | Not determined |
| **Solubility** | Water-dispersible |
| **Partition coefficient n-octanol/water** | Not applicable (natural complex substance) |
| **Vapour pressure** | Not determined |
| **Density and/or relative density** | Not determined — see COA |
| **Particle characteristics** | Not determined |

## Section 10. Stability and reactivity

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| **Reactivity** | Not reactive under normal conditions. |
| **Chemical stability** | Stable under recommended storage conditions. |
| **Hazardous reactions** | Dust explosion possible if dispersed in air near an ignition source. |
| **Conditions to avoid** | Heat, moisture, open flames, sparks, dust clouds. |
| **Incompatible materials** | Strong oxidising agents. |
| **Decomposition products** | Carbon monoxide and carbon dioxide on combustion. |

## Section 11. Toxicological information

No toxicological data are available for this specific product. It is a natural material (botanical, or mineral where stated) of a type commonly used in food, cosmetic and/or traditional products and is not expected to meet the criteria for classification for acute toxicity, skin or eye irritation, sensitisation, mutagenicity, carcinogenicity, reproductive toxicity or specific target organ toxicity. Botanical dusts may cause allergic reactions in sensitised individuals.

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| **Acute toxicity** | Based on available data, the classification criteria are not met. |
| **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** | Based on available data, the classification criteria are not met. |
| **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. |
| **Endocrine-disrupting properties** | Not known to contain endocrine disruptors at ≥ 0.1 %. |

Carcinogenicity listings: no component is listed by IARC, NTP or OSHA as a carcinogen, to the best of our knowledge.

## Section 12. Ecological information

No ecotoxicity data are available. Natural material; expected to be readily biodegradable. Not considered PBT or vPvB. Not expected to be harmful to aquatic life at normal handling quantities.

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| **Toxicity** | No data available for this product. |
| **Persistence and degradability** | Expected to be biodegradable. |
| **Bioaccumulative potential** | Not expected to bioaccumulate. |
| **Mobility in soil** | No data available. |
| **PBT / vPvB assessment** | Not considered PBT or vPvB. |
| **Endocrine-disrupting properties** | None known. |

## Section 13. Disposal considerations

Dispose of in accordance with local, regional and national regulations. Uncontaminated material may be composted or disposed of as non-hazardous waste. Empty packaging may be recycled.

## Section 14. Transport information

Not regulated as dangerous goods for transport (ADR/RID, IMDG, IATA, US DOT, Canada TDG).

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| **UN number / ID** | Not applicable |
| **Proper shipping name** | Not applicable |
| **Transport hazard class(es)** | Not applicable |
| **Packing group** | Not applicable |
| **Environmental hazards / marine pollutant** | No |
| **Transport in bulk (IMO instruments)** | Not applicable |

## Section 15. Regulatory information

### European Union

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| **REACH (EC) No 1907/2006** | Natural botanical substance (UVCB). Registration obligations depend on the importer and annual tonnage. Not listed on the REACH Candidate List (SVHC) or Annex XIV/XVII, to our knowledge. |
| **Cosmetics (EC) No 1223/2009** | INCI name(s) listed in the EU CosIng database (ref. 94584). Not listed in Annexes II or III, to our knowledge. |
| **Chemical safety assessment** | Not carried out. |

### United States

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| **OSHA HCS** | Not hazardous under 29 CFR 1910.1200, except possible combustible dust (HNOC). |
| **TSCA** | Substances used solely in food, drugs or cosmetics are regulated by the FDA and excluded from TSCA. For other uses, contact the supplier for inventory status. |
| **SARA Title III / CERCLA** | No components listed under SARA 302/313 or CERCLA, to our knowledge. |

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| **California Proposition 65** | Contact the supplier for a batch-specific statement. |

**Canada**

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| **WHMIS 2015 (HPR)** | Not a hazardous product under the Hazardous Products Regulations (combustible dust to be considered). |
| **DSL / NDSL** | Contact the supplier for inventory status. |

Where this product is imported by the customer, the importer is responsible for any registration or notification required in the country of import (for example EU REACH, UK REACH, US TSCA or Canada CEPA) and for providing this SDS in the official language(s) required there.

## Section 16. Other information

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| **Date of issue / revision** | 03 November 2026 — version 1.2; supersedes Version 1.1 (3 November 2026) |
| **Changes in this version** | Section 1.3 / 1.4 and document footer: supplier details changed to THE AVAM COMPANY (H-108, Sector-63, Noida); store name and web address removed. Also in this version (from v1.1): Composition updated: botanical extract 80–90 %, filler (maltodextrin or microcrystalline cellulose) 10–20 %. |
| **Basis of classification** | Assessment of the product type (botanical powder) and its components against the classification criteria. |
| **Related documents** | Technical Data Sheet TDS-39640-EXTD-ZICAS. Batch Certificate of Analysis sent with every order; available on request before ordering. |
| **Abbreviations** | CAS: Chemical Abstracts Service; CLP: Classification, Labelling and Packaging; EC: European Community number; GHS: Globally Harmonized System; HNOC: hazard not otherwise classified; INCI: International Nomenclature of Cosmetic Ingredients; OEL: occupational exposure limit; PBT: persistent, bioaccumulative, toxic; UVCB: substance of unknown or variable composition; vPvB: very persistent, very bioaccumulative. |

The information in this safety data sheet is based on our current knowledge and on the product type, and is intended to describe the product for health, safety and environmental purposes only. It does not constitute a guarantee of specific properties. Users are responsible for their own risk assessment and for complying with applicable laws.