Punarnava CO2 Extract - Boerhavia diffusa

Boerhavia diffusa · Nyctaginaceae

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

Product name	Punarnava CO2 Extract - Boerhavia diffusa
INCI name(s)	Boerhavia Diffusa Root Extract
Botanical source	*Boerhavia diffusa*, root
Product code	26919-PST-BODIF
Type of product	Substance (natural complex substance / UVCB)

1.2 Relevant identified uses and uses advised against

Identified uses	Raw material for professional / industrial formulation of cosmetics & personal care, nutraceuticals (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

Supplier	**THE AVAM COMPANY** H-108, Sector-63 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)

- Skin irritation, Category 2 — H315
- Skin sensitisation, Category 1 — H317
- Eye irritation, Category 2 — H319
- Hazardous to the aquatic environment, long-term, Category 3 — H412

2.2 Label elements



GHS07

Signal word: Warning

Hazard statements

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

- P261 Avoid breathing vapours.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/eye protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

Constituents may include fragrance allergens; see the batch allergen declaration (available on request). Does not contain substances assessed as PBT/vPvB at ≥ 0.1 % to our knowledge.

Section 3. Composition / information on ingredients

3.1 Substance

COMPONENT (INCI)	CAS	EC	CONCENTRATION	CLASSIFICATION
Boerhavia Diffusa Root Extract Botanical ingredient	Not assigned	Not assigned	100 %	H315, H317, H319, H412

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

Inhalation	Move to fresh air and keep at rest. Get medical advice if symptoms occur.
Skin contact	Remove contaminated clothing. Wash skin with soap and plenty of water. If skin irritation or rash occurs, get medical advice.
Eye contact	Rinse cautiously with water for several minutes; remove contact lenses if easy to do and continue rinsing. If eye irritation persists, get medical advice.
Ingestion	Do NOT induce vomiting (aspiration hazard). Rinse mouth. Immediately call a poison centre or doctor.
Most important symptoms	Skin and eye irritation; allergic skin reaction in sensitised individuals; if swallowed and aspirated into the lungs, chemical pneumonitis.
Immediate medical attention	If swallowed, get medical attention immediately. Show this safety data sheet.

Section 5. Fire-fighting measures

Suitable media	Alcohol-resistant foam, dry chemical, carbon dioxide, sand. Water spray to cool containers.
Unsuitable media	Direct water jet.
Specific hazards	Combustible liquid; many essential oils are flammable (flash point < 60 °C) — see the batch COA. Vapours may form flammable mixtures with air when heated. Combustion produces carbon monoxide, carbon dioxide and irritant fumes.
Advice for firefighters	Wear self-contained breathing apparatus and full protective clothing. Cool exposed containers with water spray.

Section 6. Accidental release measures

Personal precautions	Remove ignition sources. Ventilate the area. Avoid contact with skin and eyes; wear protective equipment (see Section 8).
Environmental precautions	Do not allow to enter drains, soil or surface water — harmful to aquatic life.
Clean-up	Absorb with inert, non-combustible material (sand, earth, vermiculite). Collect into closed, labelled containers for disposal as hazardous waste.
Reference to other sections	See Sections 8 and 13.

Section 7. Handling and storage

Precautions for safe handling	Use in a well-ventilated area. Avoid contact with skin and eyes and breathing vapours. Keep away from heat, sparks and open flames; take precautionary measures against static discharge. Wash hands after handling.
Conditions for safe storage	Store in tightly closed original containers (amber glass, aluminium or lacquered steel) in a cool (below 20 °C), dark, well-ventilated place away from heat, ignition sources and oxidising agents. Keep containers well filled to limit oxidation.
Specific end uses	See Section 1.2.

Section 8. Exposure controls / personal protection

8.1 Control parameters

No occupational exposure limits have been established for this product or its components.

DNEL / PNEC: no data available.

8.2 Exposure controls

Engineering controls	Use local exhaust ventilation when heating, blending or handling large quantities.
Eyes protection	Safety glasses with side shields or goggles (EN 166 / ANSI Z87.1).
Skin protection	Chemical-resistant gloves (nitrile rubber, ≥ 0.4 mm, EN ISO 374); protective clothing.

Respiratory protection	Not normally required with adequate ventilation. For vapours/mists use a combined organic-vapour/particle filter (EN 14387 type A-P2 / NIOSH OV/P95).
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

Physical state	Viscous liquid, paste or semi-solid
Colour	Characteristic
Odour	Characteristic
Melting point / freezing point	Not determined
Boiling point or initial boiling point	Not determined
Flammability	See flash point
Lower and upper explosion limits	Not determined
Flash point	Not determined for this batch — see COA
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Kinematic viscosity	Not determined
Solubility	Not determined
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 applicable

Section 10. Stability and reactivity

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions. Terpene constituents oxidise on exposure to air and light; oxidation products may increase skin-sensitising potential.
Hazardous reactions	May react with strong oxidising agents.
Conditions to avoid	Heat, sparks, open flames, light, air exposure.
Incompatible materials	Strong oxidising agents, strong acids.
Decomposition products	Carbon monoxide, carbon dioxide and irritant fumes on combustion.

Section 11. Toxicological information

No toxicological data are available for this specific product. Classification is based on the typical composition of concentrated aromatic plant extracts, which may contain skin-irritating and sensitising constituents. Due to high viscosity, an aspiration hazard is not expected.

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion / irritation	Skin irritation, Category 2 — H315
Serious eye damage / irritation	Eye irritation, Category 2 — H319
Respiratory or skin sensitisation	Skin sensitisation, Category 1 — H317
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 for this specific product. Many essential-oil constituents (terpenes) are toxic to aquatic organisms with long-lasting effects. Constituents are generally readily biodegradable.

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 as hazardous waste in accordance with local, regional and national regulations. Do not discharge into drains or the environment. Empty containers retain residue and vapour.

Section 14. Transport information

Usually not regulated as dangerous goods. If the batch flash point is ≤ 60 °C: UN 1169 EXTRACTS, AROMATIC, LIQUID, Class 3, PG III. Confirm per batch before shipping.

UN number / ID	See above
Proper shipping name	See above
Transport hazard class(es)	See above
Packing group	See above

Environmental hazards / marine pollutant	Possible — see above
Transport in bulk (IMO instruments)	Not applicable

Section 15. Regulatory information

European Union

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. 82759). Not listed in Annexes II or III, to our knowledge.
Chemical safety assessment	Not carried out.

United States

OSHA HCS	Hazardous — see Section 2.
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.
California Proposition 65	Contact the supplier for a batch-specific statement.

Canada

WHMIS 2015 (HPR)	Hazardous product — see Section 2.
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

Date of issue / revision	03 November 2026 — version 1.1; supersedes Version 1.0 (26 October 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.
Basis of classification	Classification of the product type (concentrated aromatic extract) based on typical composition. Batch-specific composition, allergen and IFRA data on request.
Related documents	Technical Data Sheet TDS-26919-PST-BODIF. 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.