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Safety Data Sheet

Hops Flower Extract 25:1

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1. Identification

Product identifier	Hops Flower Extract 25:1 (powder)
Botanical source	*Humulus lupulus L., dried flower (strobile)*
Product code	HU-BOT-28864 · bulk offer HB-BLK-005
Recommended use	Botanical raw material for the manufacture of food supplements, foods and cosmetics
Restrictions on use	For industrial and professional use. Not a finished consumer product.
Supplier	Gausyn Global LLP (brand: Herbuno), B-57, Ground Floor, Sector 64, Noida 201301, Uttar Pradesh, India · +91 863-869-2590 · hello@herbuno.com
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2. Hazard identification

Classification	Not classified as hazardous under the UN GHS, US OSHA HCS (29 CFR 1910.1200) or EU CLP (Regulation (EC) No 1272/2008).
Label elements	Signal word: none · Pictograms: none · Hazard statements: none · Precautionary statements: none
Other hazards	May form combustible dust concentrations in air. Airborne dust may cause transient mechanical irritation of the eyes and upper airways.

3. Composition / information on ingredients

Type	Dried extract of Humulus lupulus flower, extraction ratio 25:1, on a maltodextrin carrier
Active fraction	Hops flower extract, 95–97% w/w
Carrier	Maltodextrin (CAS 9050-36-6), 3–5% w/w
Hazardous ingredients	None present above disclosure thresholds

4. First-aid measures

Inhalation	Move to fresh air. Seek medical attention if irritation persists.
Skin contact	Wash with soap and water.
Eye contact	Rinse with water for several minutes, removing contact lenses if easy to do. Seek medical attention if irritation persists.
Ingestion	Rinse mouth with water. Seek medical attention if symptoms develop.
Symptoms	Transient irritation of eyes or upper airways from dust.
Medical attention	Treat symptomatically. No specific antidote.

5. Fire-fighting measures

Suitable media	Water spray, dry chemical, carbon dioxide, foam
Unsuitable media	High-pressure water jet, which may raise a dust cloud
Specific hazards	Combustible organic solid. Fine dust dispersed in air may ignite. Combustion produces carbon monoxide, carbon dioxide and smoke.
Fire-fighter protection	Self-contained breathing apparatus and protective clothing.

6. Accidental release measures

Personal precautions	Avoid raising dust. Wear eye protection and a dust mask where dust is generated.
Environmental precautions	No special precautions. Prevent large quantities from entering drains.
Clean-up	Sweep up or vacuum (HEPA filter preferred) and place in a closed container for re-use or disposal. Remove ignition sources. Wash the area with water.

7. Handling and storage

Safe handling	Minimise dust generation and accumulation. Ground and bond equipment when transferring large quantities. Observe good hygiene; do not eat, drink or smoke in work areas.
Storage	Store in sealed containers in a cool, dark, dry place, protected from moisture and pest infestation. Keep away from strong oxidising agents and sources of ignition.
Shelf life	36 months from manufacture under the conditions above, in the original package

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8. Exposure controls / personal protection

Exposure limits	No substance-specific limits established. Control airborne dust to the general limits for particulates not otherwise regulated (for example US OSHA PEL: 15 mg/m³ total dust, 5 mg/m³ respirable fraction).
Engineering controls	Local exhaust ventilation where dust is generated.
Eye protection	Safety glasses with side shields
Hand protection	Protective gloves recommended for prolonged handling
Respiratory protection	Particulate respirator (N95 / FFP2) where dust levels are not controlled

9. Physical and chemical properties

Physical state / appearance	Solid; fine powder
Colour	Brown
Odour	Characteristic
Loss on drying	NMT 8.0%
Particle size	NLT 95% through 60–80 mesh
pH	Not determined
Melting point	Not applicable; organic material decomposes on heating
Flash point	Not applicable (solid)
Flammability	Combustible solid; dust may form explosive mixtures with air
Explosion limits	Not determined
Vapour pressure / density	Not applicable

10. Stability and reactivity

Reactivity	Not reactive under normal conditions of use and storage
Chemical stability	Stable under the recommended storage conditions
Conditions to avoid	Heat, light, moisture, dust formation and ignition sources
Incompatible materials	Strong oxidising agents
Hazardous decomposition	Carbon monoxide and carbon dioxide on combustion

11. Toxicological information

Acute toxicity	No data available for this product. Not classified.
Irritation	Dust may cause mechanical irritation of eyes and airways. Not classified as an irritant.
Sensitisation	No data available. Not classified.
Carcinogenicity	Not listed by IARC, NTP or OSHA
Other information	Hops contain bitter acids, xanthohumol and the phytoestrogen 8-prenylnaringenin. Suitability and use levels in a finished product are for the formulator to assess.

12. Ecological information

Ecotoxicity	No data available. Not classified as hazardous to the aquatic environment.
Persistence and degradability	Plant-derived organic material; expected to be biodegradable
Bioaccumulation	Not expected

13. Disposal considerations

Product	Dispose of in accordance with local regulations. Not hazardous waste.
Packaging	Empty packaging may be recycled or disposed of as non-hazardous waste.

14. Transport information

UN number / class	Not regulated as dangerous goods (UN Model Regulations, ADR, IMDG, IATA, US DOT)
Packing group	Not applicable
Marine pollutant	No
HS code	1302.19

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15. Regulatory information

Classification status	Not classified as hazardous under US OSHA HCS, EU CLP or the UN GHS.
Intended application	Use in foods, food supplements or cosmetics is governed by the regulations of the destination market. The buyer is responsible for confirming regulatory status for the intended application.

16. Other information

Basis	Prepared in the 16-section format of the UN GHS. Physical data are taken from the product specification and current lot certificate of analysis.
Abbreviations	GHS: Globally Harmonized System · HCS: Hazard Communication Standard · CLP: Classification, Labelling and Packaging · PEL: permissible exposure limit · HEPA: high-efficiency particulate air

The information in this Safety Data Sheet is based on our present knowledge and is given in good faith. It describes the product with regard to safety requirements and does not constitute a warranty of specific properties. The user is responsible for observing applicable laws and for assessing suitability for the intended application.

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