Red Clover Water Soluble Extract - Trifolium pratense

Trifolium pratense · Fabaceae

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	Red Clover Water Soluble Extract - Trifolium pratense
INCI name(s)	Aqua, Trifolium Pratense Flower Extract, Glycerin, Potassium Sorbate, Sodium Benzoate
Botanical source	*Trifolium pratense*, flower
Product code	55600-EXTL-TRPRA
Type of product	Mixture

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)

- 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

None known. Does not contain substances assessed as PBT/vPvB or as endocrine disruptors at ≥ 0.1 %.

Section 3. Composition / information on ingredients

3.2 Mixture — carrier 80 % = water 80 : vegetable glycerin 20

COMPONENT (INCI)	CAS	EC	CONCENTRATION	CLASSIFICATION
Aqua Carrier (purified water)	7732-18-5	231-791-2	≈ 64 %	Not classified
Trifolium Pratense Flower Extract Botanical extract	85085-25-2	—	20 %	Not classified
Glycerin Carrier (vegetable glycerin, USP grade)	56-81-5	200-289-5	≈ 16 %	Not classified
Potassium Sorbate Preservative	24634-61-5	246-376-1	0.1–0.3 % (combined)	Not classified at this concentration
Sodium Benzoate Preservative	532-32-1	208-534-8	0.1–0.3 % (combined)	Not classified at this concentration

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	Not expected to be a relevant route of exposure. Move to fresh air if mist is inhaled and discomfort occurs.
Skin contact	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. Do not induce vomiting. Get medical advice if you feel unwell.
Most important symptoms	May cause transient eye discomfort. No other known significant effects.
Immediate medical attention	Not normally required. Treat symptomatically.

Section 5. Fire-fighting measures

Suitable media	Use media appropriate to the surrounding fire.
Unsuitable media	None known.
Specific hazards	Not flammable (aqueous product). On strong heating, residues may decompose to carbon monoxide, carbon dioxide and acrolein.
Advice for firefighters	Wear self-contained breathing apparatus in a surrounding fire.

Section 6. Accidental release measures

Personal precautions	Spilled product may make surfaces slippery. Wear suitable protective equipment (see Section 8).
Environmental precautions	Prevent large quantities entering drains, soil or surface water.

Clean-up	Contain and absorb with inert material (sand, earth, vermiculite). Collect into closed containers for disposal. Wash the area with water and detergent.
Reference to other sections	See Sections 8 and 13.

Section 7. Handling and storage

Precautions for safe handling	Handle in accordance with good hygiene and safety practice. Spills are slippery.
Conditions for safe storage	Store in tightly closed containers in a cool (below 25 °C), dark place away from direct sunlight. Protect from freezing. Avoid microbial contamination; use clean equipment and reclose after use.
Specific end uses	See Section 1.2.

Section 8. Exposure controls / personal protection

8.1 Control parameters

Glycerin (CAS 56-81-5), mist	US OSHA PEL 15 mg/m³ total, 5 mg/m³ respirable (as mist).

DNEL / PNEC: no data available.

8.2 Exposure controls

Engineering controls	General ventilation is normally sufficient.
Eyes protection	Safety glasses (EN 166 / ANSI Z87.1) where splashing is possible.
Skin protection	Protective gloves (e.g. nitrile) for prolonged contact.
Respiratory protection	Not normally required. Use a suitable mask if mists are generated.
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	Liquid (aqueous)
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 flammable (aqueous solution)
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined

Kinematic viscosity	Not determined
Solubility	Water-soluble
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; hygroscopic.
Hazardous reactions	May react with strong oxidising agents.
Conditions to avoid	High temperatures.
Incompatible materials	Strong oxidising agents (e.g. potassium permanganate, chromium trioxide).
Decomposition products	Acrolein, carbon monoxide and carbon dioxide on strong heating.

Section 11. Toxicological information

No toxicological data are available for this specific product. The carrier (water and vegetable glycerin) is of low toxicity, the preservatives (potassium sorbate and sodium benzoate, 0.1–0.3 % combined) are well below their classification thresholds, and the botanical extract (20 %) is not expected to contribute a hazard. The product is not expected to meet the criteria for classification for any health hazard class. May cause transient eye irritation.

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, plant-derived material; expected to be readily biodegradable. Not considered PBT or vPvB.

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. Do not discharge large quantities into drains. Empty packaging may be recycled after cleaning.

Section 14. Transport information

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

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

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. 59842). Not listed in Annexes II or III, to our knowledge.
Chemical safety assessment	Not carried out.

United States

OSHA HCS	Not hazardous under 29 CFR 1910.1200.
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)	Not a hazardous product under the Hazardous Products Regulations.
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 1.2; 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): Section 3 / composition updated: carrier 80 %, botanical extract 20 %, preservatives (potassium sorbate and sodium benzoate, 0.1–0.3 % combined).
Basis of classification	Assessment of the product type (water-soluble (aqueous) botanical extract) and its components against the classification criteria.
Related documents	Technical Data Sheet TDS-55600-EXTL-TRPRA. 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.