

ASES CHEMICAL WORKS

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GST: 08AABFA4650R1Z4 | FSSAI Lic: 12221999000175 | Drug Lic: RAJ-1597-B

SAFETY DATA SHEET

1. Identification

Product Name	Redensyl
INCI Name	Glycerin, Aqua (Water), Sodium Metabisulfite, Larix Europaea (Larch) Wood Extract, Glycine, Zinc Chloride, Camellia Sinensis Leaf Extract
Product Use	Cosmetic active ingredient - hair growth / anti-hair-loss formulations
Physical Form	Liquid
Packager	ASES Chemical Works, Brahm Bagh, Jalori Gate, Jodhpur - 342001, Rajasthan, India
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2. Hazard(s) Identification

GHS Classification: Not classified as a hazardous substance or mixture under GHS criteria based on available data. Not classified for acute toxicity, skin/eye irritation, sensitization, or carcinogenicity.

HMIS Ratings: Health - 1, Flammability - 1, Physical Hazard - 1 (Slight hazard, on a 0-4 scale)

Label Elements: No GHS signal word, hazard pictogram, or hazard statement is required.

Other Hazards: None known under normal conditions of handling and use. Avoid contact with eyes as a general precaution.

3. Composition / Information on Ingredients

Glycerin	50% - <55%
Water (Aqua)	45% - <50%
Sodium Metabisulfite	< 1%
Larix Europaea (Larch) Wood Extract (DHQG)	< 1%
Glycine	< 1%
Zinc Chloride	< 0.1%
Camellia Sinensis Leaf Extract (EGCG2)	< 0.1%

4. First-Aid Measures

Skin Contact	Wash immediately with plenty of water and soap. Remove contaminated clothing.
Eye Contact	Flush eyes with plenty of flowing water for 10-15 minutes, holding eyelids open. Seek medical attention if irritation persists.
Inhalation	Remove to fresh air. Seek medical attention if symptoms persist.
Ingestion	Rinse mouth thoroughly and drink plenty of water. Do not induce vomiting. Seek medical attention.

5. Fire-Fighting Measures

Suitable Extinguishing Media	Water fog, carbon dioxide (CO2), foam, dry chemical powder
Unsuitable Extinguishing Media	High-pressure water jet
Hazardous Combustion Products	Carbon monoxide and carbon dioxide may form on combustion
Special Protective Equipment	Self-contained breathing apparatus recommended for firefighters in enclosed spaces

6. Accidental Release Measures

Personal Precautions: Avoid skin and eye contact. Ensure adequate ventilation.

Environmental Precautions: Do not allow product to enter drains, watercourses, or the aquatic environment untreated.

Cleanup Methods: Absorb spillage with an inert liquid-binding material such as sand, earth, or diatomaceous earth and dispose of as per local regulations.

7. Handling and Storage

Handling: Handle to avoid aerosol formation and contact with skin and eyes. Use with adequate ventilation.

Storage: Store below 10 degC in a tightly sealed, dry container, protected from light and UV radiation, and away from strong oxidizing agents. Preferably store containers full and hermetically sealed under refrigeration (2-10 degC).

8. Exposure Controls / Personal Protection

Eye Protection	Tightly sealed safety glasses (DIN EN 166) or goggles
Hand Protection	NBR gloves (0.4mm), chloroprene rubber gloves (0.5mm), or PVC gloves (0.7mm)
Skin/Body Protection	Protective apron / lab coat
Respiratory Protection	Not normally required under normal use; use suitable respirator if exposure limits are exceeded or ventilation is inadequate
Exposure Limits	Glycerin mist: 5 mg/m ³ (PEL); Sodium metabisulfite: 5 mg/m ³ (REL); Zinc chloride fume: 1-2 mg/m ³

9. Physical and Chemical Properties

Appearance	Liquid, almost colorless to yellow
Odor	Characteristic
pH	3.0 - 5.0
Boiling Point	> 100 degC
Flash Point	> 94 degC (> 201 degF)
Specific Gravity (20/20 degC)	1.1220 - 1.1420
Refractive Index (20 degC)	1.3800 - 1.4200
Solubility in Water	Easily soluble
Explosive Properties	Not explosive

10. Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions. No hazardous reactions known when used and stored as directed.

Incompatible Materials: Strong oxidizing agents.

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide may form under fire conditions.

11. Toxicological Information

Acute Toxicity: No classification required based on available data. Reference LD50 (oral, rat) for glycerin: 27,200 mg/kg; zinc chloride: 1,260 mg/kg.

Irritation / Sensitization: The product showed no irritant or sensitizing effects in available testing.

Mutagenicity: No mutagenic activity observed in Ames testing of the formulation.

Carcinogenicity / Reproductive Toxicity: Not classified; no data indicating concern.

12. Ecological Information

Biodegradability: Readily biodegradable (approximately 94% biological degradation per OECD test criteria).

Aquatic Toxicity: No specific data; product should not be released into water without pre-treatment.

13. Disposal Considerations

Dispose of contents/container in accordance with local, state, and national regulations. Do not discharge into drains or watercourses untreated.

14. Transport Information

Not classified as a hazardous substance for transport under DOT, IMDG (sea), or IATA/ICAO (air) regulations.

15. Regulatory Information

This product is formulated for use as a cosmetic raw material. Users should ensure compliance with applicable local cosmetic and chemical regulations for their region of use.

16. Other Information

This Safety Data Sheet is issued by ASES Chemical Works in its capacity as Packager/Distributor of this material, based on information available from the raw material manufacturer and supplier documentation. It is provided in good faith and believed accurate as of the revision date below, but no warranty, express or implied, is made. Users should independently determine the suitability of this information for their own use.

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