SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Redensyl

Chemical characterization (Mixture)

INCI Name: Glycerin, Aqua, Sodium Metabisulfite, Larix Europaea Wood Extract, Glycine, Zinc Chloride, Camellia Sinensis Leaf Extract

Details of the supplier of the safety data sheet

Supplier name: ASES CHEMICAL WORKS
Brahm Bagh, Jalori Gate
Jodhpur - 342001 Rajasthan-India
Ph: +91-9636889954

e-mail: ecom@ases.in

Web site www.ases.in

SECTION 2: Hazards identification

Route(s) of Entry

skin contact, eye contact, inhalation and ingestion

Signs and Symptoms of Exposure

Carcinogenicity (NTP):

Carcinogenicity (IARC):

Carcinogenicity (OSHA):

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

CAS No	Components	Quantity
56-81-5	Glycerin	50 - < 55 %
7732-18-5	Aqua (US: Water)	45 - < 50 %
7681-57-4	sodium metabisulphite	< 1 %
91722-66-6	Larix Europaea Wood Extract	< 1 %
56-40-6	Glycine	< 1 %
7646-85-7	zinc chloride	< 0.1 %
84650-60-2	Camelia Sinensis Leaf Extract	< 0.1 %

SECTION 4: First aid measures

Description of first aid measures

General information

Change contaminated clothing. Consult physician if problems persist.

After inhalation

Provide fresh air. Consult physician if problems persist.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

After ingestion

Rinse mouth immediately and drink large quantities of water. Consult physician if problems persist. No administration in cases of unconsiousness or cramps.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Water fog. Carbon dioxide (CO2). Foam. Dry extinguishing powder.

Unsuitable extinguishing media

High power water jet.

Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon monoxide. Carbon dioxide (CO2).

Advice for firefighters

Use appropriate respiratory protection.

SECTION 6: Accidental release measures

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

In case of open handling, use devices with built-in suction where possible. Avoid the formation of aerosol. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

No special precautionary measures are necessary.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep the packing dry and well sealed to prevent contamination and absorbtion of dampness.

Advice on storage compatibility

Do not store together with: Oxidizing agents.

Further information on storage conditions

Do not store at temperatures over: 10°C.
Keep in a cool, well-ventilated place.
Conditions to avoid: UV-radiation/sunlight.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits

CAS No	Components	ppm	mg/m³	fib/cc	Category	Origin
56-81-5	Glycerin (mist) Respirable fraction	-	5		TWA (8 h)	PEL
7681-57-4	Sodium metabisulfite	-	5		TWA (8 h)	REL
7646-85-7	Zinc chloride fume	-	1		TWA (8 h)	PEL
		-	1		TWA (8 h)	REL
		-	2		STEL (15 min)	REL

Exposure controls

Hygiene measures Do not eat, drink, smoke at the workplace. Wash hands before breaks and at the end of work.

Eye/face protection Tightly sealed safety glasses. (DIN EN 166)

Hand protection Tested protective gloves are to be worn: (DIN EN 374) Suitable material: NBR (Nitrile rubber). (0.4mm) CR (polychloroprenes, Chloroprene rubber). (0.5 mm) PVC (Polyvinyl chloride). (0.7 mm)

Skin protection Apron.

Respiratory protection Respiratory protection required in case of: exceeding critical value

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	yellow
Odor:	characteristic
pH-Value (at 20 °C):	3.3 - 4.8

Changes in the physical state

Initial boiling point and boiling range:	>100 °C
Flash point:	> 100 °C
Explosive properties	not Explosive.
Density (at 20 °C):	1.12 - 1.14 g/cm³
Water solubility (at 20 °C) :	easily soluble.

SECTION 10: Stability and reactivity

Stability:	Stable
Possibility of Hazardous Reactions:	Will not occur
Incompatible materials	Oxidizing agents, strong.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.
There are no data available on the preparation/mixture itself. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

CAS No	Components				
	Exposure routes	Method	Dose	Species	Source
56-81-5	Glycerin				
	oral	LD50	27200 mg/kg	Rat.	
	dermal	LD50	56750 mg/kg	Guinea-pig.	
7681-57-4	sodium metabisulphite				
	oral	LD50	1540 mg/kg	Rat.	ECHA
	dermal	LD50	>2000 mg/kg	Rat.	ECHA
56-40-6	Glycine				
	oral	LD50	7930 mg/kg	Rat.	IUCLID
7646-85-7	zinc chloride				
	oral	LD50	1260 mg/kg	Mouse.	ECHA
	dermal	LD50	>2000 mg/kg	Rabbit.	ECHA

Irritation and corrosivity Based on available data, the classification criteria are not met.
Irritant effect on the eye: Not an irritant. The irritation potential for undilutedproduct was determined with T50 > 30 min (Skin2-test, in vitro test as equivalentfor the eye irritation test).
Human toxicological data: Irritant effect on the skin: Not an irritant.(occlusive.48h)

Sensitizing effects Based on available data, the classification criteria are not met.no danger ofsensitization. (HRIPT, OECD 429, 100%)

STOT-single exposure Based on available data, the classification criteria are not met.

STPT repeated exposure Based on available data, the classification criteria are not met.

Reproduction Carcinogenic effect Based on available data, the classification criteria are not met.
In-vitro mutagenicity Ames test negative.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

Persistence and degradability

* Biological degradation: 94% OECD 301B/ ISO 9439/ EWG 92/69, Annex V, C.4-C Easily biodegradable (concerning to the criteria of the OECD)

Other adverse effects

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility , will not disturb the biodegradability of activated sludge.

Further information

Product may not be released into water without pre-treatment.

SECTION 13: Disposal considerations

Waste treatment methods

Advice on disposal

Waste disposal according to official state regulations.

SECTION 14: Transport information

US DOT 49 CFR 172.101

Proper shipping name: Not a hazardous material with respect to these transport regulations. && Not controlled under DOT

Marine transport (IMDG)

Other applicable information

Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO)

Other applicable information

Not a hazardous material with respect to these transportation regulations.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

SECTION 15: Regulatory information

U.S. Regulations

SECTION 16: Other information

Hazardous Materials Information Label (HMIS)

Health:	1
Flammability:	1
Physical Hazard:	1
Personal Protection:	C

NFPA Hazard Ratings

Health:	1
Flammability:	1
Reactivity:	1
Unique Hazard:	

Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singulary responsible for adhering to existing laws and regulations.