



Section 1. Product and Company Identification

Product Name Orchid Extract

Parchem - fine & specialty chemicals

415 Huguenot Street

New Rochelle, NY 10801

(914) 654-6800 (914) 654-6899

parchem.com info@parchem.com

EMERGENCY RESPONSE NUMBER

CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

Not classified as a hazardous substance or mixture.

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

None

Not hazardous according to Directives 1999/45/EC and 67/548/EEC, and Regulation (EC) 1272/2008 and its subsequent amendments.

Skin Contact: It does not imply any risk when handled at the usual conditions.

Eye Contact: It does not imply any risk when handled at the usual conditions.

Ingestion: It does not imply any risk when handled at the usual conditions.

Inhalation: It does not imply any risk when handled at the usual conditions.

Section 3. Composition / Information on Ingredients

Common Name Orchid Extract

COMPONENT	CAS NUMBER	CONCENTRATION
Glycerin	56-81-5	49 – 50%
Water	7732-18-5	49 – 50%
Cynoches Cooperi Extract		0.01 – 0.1%
Citric Acid	77-92-9 / 5949-29-1	< 1.0%
Sodium Benzoate	532-32-1	< 0.4%
Potassium Sorbate	24634-61-5	< 0.2%

Section 4. First Aid Measures

Skin Contact: Remove clothing contaminated with the product immediately. Wash skin with soap and water.

Eye Contact: Eyes: rinse away thoroughly with water at least for 15 minutes.

Ingestion: If large amount swallowed or symptoms develop, obtain medical attention.

Inhalation: Remove victim to fresh air.

Section 5. Firefighting Measures

Extinguishing media: Dry chemical; Alcohol type foam; Water spray; CO₂

Section 6. Accidental Release Measures

Precautions on people: Do not try to clean up the leak without the proper protective equipment (Section 8)

Environmental Protection Measures: Avoid liquid to enter sewer/public waters

Measures for cleaning: Absorb the small overflows with inert solids

Notify environmental authorities in case of large leaks.

Section 7. Handling and Storage

Handling: Handle in accordance with good industrial hygiene and safety practices.

Storage: Store protected from light in tightly closed vessels at room temperature.

Section 8. Exposure Controls / Personal Protection

Respiratory Protection: Not needed

Body Protection: Not needed

Eye Protection: Not needed

Section 9. Physical and Chemical Properties

Form: Liquid

Color: Colorless to yellow

Odor: Characteristic.

Solubility in water: Soluble

Density: 1.080 - 1.160

Section 10. Stability and Reactivity

Stability: Stable under usual conditions

Conditions to Avoid: Keep sources of ignition at a distance.

Materials to Avoid: Avoid contact with strong oxidizing and acid agents.

Hazardous Decomposition Products: Will not occur.

Hazardous polymerization: Will not occur.

Section 11. Toxicological Information

Data obtained in bibliographical research

General information: The following substances have the GRAS status ("Generally Recognized as Safe"): Glycerin (21 CFR 182.1320)

Skin Irritation

Glycerin (RTECS n°MA8050000): Draize Test in the skin of rabbit, 500 mg, 24 h, Mild

Eye Irritation

Glycerin (RTECS n°MA8050000): Draize Test in the eye of rabbit, 126 and 500 mg, 24 h, Mild

Mutagenicity

Glycerin: DNA inhibition in human lymphocyte, 200 mmol/l (PNASA 6 79, 1171, 1982) Cytogenic Analysis rat p.o., 1 g/Kg (TGANAK 19, 436, 1985)

Acute Toxicity

Glycerin (RTECS n° MA8050000)

LD50 in rat: p.o. =12,600 mg/kg

i.p. =4420 mg/kg

s.c. =100 mg/kg

i.v.=5566 mg/kg

LDLo in rat: i.m. =10 mg/kg

TDLo in rat: i.m.=5 g/kg

Glycerin (RTECS n° MA8050000)

LD50 in mouse: p.o. =4090 mg/kg

i.p. =8700 mg/kg

s.c. =91 mg/kg

i.v. = 4250mg/kg

LD50 in rabbit: p.o.=27 g/kg,

skin > 10g/kg

i.v.=53 g/kg

Subchronic and Chronic Toxicity

Glycerin (RTECS n° MA8050000)

TDLo p.o.: Rat 16,800mg /Kg/28D-C;

Rat 96 g/Kg/90D-I;

Mouse 560 g/Kg/8W-C;

Mouse 2800 mg/Kg/25W-C

Reproductive Effects

Glycerin (RTECS n° MA8050000)

Rat, i.t. TDLo = 280 mg/Kg, 2 Days, male

Rat o. TDLo = 100 mg/Kg, 1 Day, male

Rat, i.t., TDLo = 862 mg/Kg, 1 Day, male

Other Data

Glycerin (RTECS n° MA8050000): LC50 rat inhalation > 570/mg/m³/1h

Glycerin (RTECS n°MA8050000): TDLo oral in human = 1428 mg/kg

Section 12. Ecological Information

Biodegradability

Glycerin (HSDB n°492, Revision: 20050624). Activated sludge test: 220 mg/l resulted in a COD of 97%; Test in a 5 days: BOD= 82%. Glycerin is considered a substance easily degraded

Aquatic Toxicity

Glycerin

Inhibition multiplication test in algae (*Microcystis aeruginosa*) and protozoa (*Entosiphon sulcatum*)

Toxicity threshold=2900 mg/l and 3200 mg/l (HSDB n°492, Revision: 20050624)

Glycerin (HSDB n°492, Revision: 20050624)

LC50 goldfish > 5000 mg/l/24h

Other data: No data available.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Non-dangerous product for the transport.

ADR/RID - Road-Rail

Class: N/A

Code hazard: N/A

UN Number: N/A

Packing group: N/A

Label: N/A

Hazard description: Not Regulated

IMDG - Maritime Transport

Class: N/A

UN Number: N/A

Packing group: N/A

Label: N/A

Hazard description: Not Regulated

IATA - Air Transport

Class: N/A



UN Number: N/A
Packing group: N/A
Label: N/A
Hazard description: Not Regulated

Section 15. Regulatory Information

Dangerous pictogram is not required.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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