FINECHEMO

SDS (Safety Data Sheet)

Safety Data Sheet
& Rules and Regulation

FINECHEMO
GLYCOLIC ACID

Revision Date:
Supersedes:

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: FINECHEMO GLYCOLIC ACID
Synonyms: Hydroxyacetic Acid
INCI Name: Glycolic Acid
CAS Number: 79-14-1
Product Form: Liquid (aqueous solution) or Solid (crystals)
Product Use: Used in cosmetics, pharmaceuticals, and chemical synthesis

Distributor: Dr TRC Lab Private Limited
Address: H-269,DSIIDC Industrial Area, North West Delhi,Delhi-110039

Website: www.trckem.in

2 HAZARDS IDENTIFICATION

GHS Classification: Skin Corrosion Category 1A, Eye Damage Category 1, Acute Toxicity (Oral) Category 4, Acute Toxicity (Inhalation) Category 4

GHS Labelling: UN 3265

GHS Hazard Pictogram:

GHS Hazard Statements: H314 ; H332 ; H302

GHS Precautionary Statement: P260 ; P271 ; P280

Potential Health Hazards: May cause skin burns, eye damage, and respiratory irritation

NFPA Rating(704):
a. **Health**: 3
b. **Flammability**: 0
c. **Reactivity**: 0
d. **Specific Hazard**: Acid

3 COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS No.	Weight %	Molecular Weight
Glycolic Acid	79-14-1	Typically 70–99% in solution	76.05 g/mol

4 FIRST AID MEASURES

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Inhalation: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor

Skin: Take off immediately all contaminated clothing. Rinse skin with water

Ingestion: Rinse mouth. Do NOT induce vomiting

5 FIRE-FIGHTING MEASURES

Suitable(and Unstable Extinguishing Media:	Use water spray, carbon dioxide, dry chemical powder, or foam
Special protective equipment & Precaution for Fire-fighters:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Special Hazards arising from the Chemicals:	Emits toxic fumes such as carbon monoxide

6 ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment & emergency procedure:	Wear appropriate protective equipment. Ensure adequate ventilation
Environment precautions:	Avoid release to the environment
Methods and material for containment and cleaning up:	Neutralize with sodium bicarbonate or sodium hydroxide. Dilute with water and absorb with inert material

7 HANDLING & STORAGE

Precautions for safe handling:	Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
Condition for safe storage, incl. any incompatibilities:	Store in a cool, dry place. Incompatible with bases, oxidizing agents, and reducing agents

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limit	Basis	Entity
Glycolic Acid	No specific exposure limit established	Occupational exposure limits may vary by country	India

Personal Protection

Eyes:	Wear safety glasses or goggles
Inhalation:	Use in a well-ventilated area
Skin	Wear protective gloves and clothing
Ingestion:	Avoid eating, drinking, or smoking when using this product

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Physical State:	**Colorless to light orange to yellow clear liquid or white powder**	**Vapour Pressure:-**	**0.00093 hPa (25°C)**
		Density:	**1.49 g/cm³ (25°C)**
		Evaporation Rate:	**N/A**
		Flammability:	**Combustible; emits toxic fumes such as carbon monoxide**
Odour:	**Odourless**		
Color:	**Colorless to light orange to yellow**	**Upper /lower Explosive limit:**	**N/A**
Molecular Weight:	**76.05 g/mol**	**Flash Point:**	**300°C (decomposition)**
pH(1% sol. In water):	**2**	**Specific Gravity:**	**1.49 g/cm³ (25°C)**
Boiling Point:	**100°C (decomposition)**	**Solubility:**	**Soluble in water, methanol, and ethanol**
Melting Point:	**75-80°C**		

10 STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	Will not occur
Condition To Avoid:	Heat, moisture, incompatible materials
Incompatible Material:	Strong bases, strong oxidizing agents
Hazardous Decomposition Products:	Carbon monoxide, carbon dioxide

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Oral LD50 (rat): ~1938 mg/kg
Skin:	Causes severe burns
Eyes:	Causes serious eye damage
Respiratory:	May cause respiratory irritation
Ingestion:	Harmful if swallowed
Carcinogenicity:	N/A
Teratogenicity:	Not classified as teratogenic
Germ Cell Mutagenicity:	Not mutagenic based on available data.
Embryotoxicity:	N/A
Specific Target Organ Toxicity:	May cause damage to mucous membranes.
Reproductive Toxicity:	Not classified as reproductive toxin.
Respiratory/Skin Sensitization:	No evidence of sensitization

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	LC50 (fish, 96h): 164 mg/L
Aquatic Invertebrate:	EC50 (daphnia, 48h): 141 mg/L
Terrestrial:	N/A
Persistence and Degradability:	Readily biodegradable
Bioaccumulative Potential:	Low potential for bioaccumulation
Mobility in Soil:	High mobility due to water solubility.
PBT and vPvB Assessment:	Not considered PBT or vPvB.
Other Adverse Effects:	No known significant effects or critical hazards

13 DISPOSAL CONSIDERATIONS

Water Residue:	Dispose of in accordance with local, regional, and national regulations
Product Containers:	Rinse thoroughly and dispose of as hazardous waste

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods.

14 TRANSPORT INFORMATION

DOP(Dept. Of Transport, India): N/A

TDG(Transport Of Dangerous Goods, India):	N/A
IMDG(International Maritime Dangerous Goods:	N/A
IATA(International Air Transport Association):	N/A
ICAO(International Civil Aviation Organization):	N/A

15 REGULATORY INFORMATION

No regulatory Information Available

16 OTHER INFORMATION

Revision Date: March 2024

Compliance: This document has been prepared in accordance with the SDS requirements

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated.

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