
1. IDENTIFICATION OF SUBSTANCE AND SUPPLIER

Name On Label : Glycolic acid
Product Number : A12511
Supplier :
Johnson Matthey Catalog Company Inc.
30 Bond Street, Ward Hill, Massachusetts, 01835-8099
Emergency Telephone Number: (978) 521-6300; CHEMTREC: (800) 424-6300
Alternative Names : Hydroxyacetic acid

2. COMPOSITION AND INFORMATION ON COMPONENTS

Name : Glycolic acid
Minor Impurities : Not determined
CAS Number : 79-14-1
EINECS Number : 2011805
EEC Number :

3. HAZARDS IDENTIFICATION

Designation :
HARMFUL - CORROSIVE
Risk Phrases
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R34 Causes burns.

4. FIRST AID MEASURES

Inhalation
Remove to fresh air. In cases of serious discomfort seek medical attention.

Eye Contact
Flush with copious amounts of water for at least 15 minutes. Seek urgent medical attention.

Skin Contact
Remove contaminated clothing. Wash affected area with soap and water. Rinse thoroughly. In case of skin damage seek urgent medical advice. Show the physician the container details.

Ingestion
Rinse out mouth and drink lots of water. In case of tissue damage or other symptoms, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Medium
Use fire fighting measures which suit the environment and take into account other materials which may be involved. In general, water-based extinguishers should not be used for fires involving organic materials. Use carbon dioxide or dry powder.

Protective Equipment
Wear self-contained breathing apparatus and protective clothing.

Hazardous Products of Combustion May Include:
carbon monoxide, carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Personal Protection
Avoid inhalation or contact of spilled material with skin or clothing. Wear protective equipment including rubber gloves, and eye protection. Keep unprotected persons away.

Environmental Protection
Take precautions to ensure product does not contaminate the ground or enter the drainage system.

Collection
Mix with vermiculite or proprietary absorbent material and transfer to sealed containers for disposal.

7. HANDLING AND STORAGE

Handling
Chemicals should be used only by those trained in handling potentially hazardous materials. Rubber gloves, eye protection and protective clothing should be worn. Operations should be carried out in an efficient fume hood or equivalent system.

Storage
Store in tightly sealed containers in a cool place.
Product reacts with water. Take precautions to avoid contact with atmospheric moisture.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Respiratory
Avoid inhalation of product. Handle in an efficient fume hood or equivalent system.

Eye
Avoid eye contact. Wear safety spectacles, goggles or, for larger quantities, a full face mask.

Hands and Body
Corrosive product. Avoid skin contact. Wear corrosive-resistant gloves and, for larger quantities, full arm and body protection. Wash hands thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Moist white crystalline powder
Physical Constants: m.p. 74-78°
Molecular Formula : C2H4O3
Formula Weight : 76.05
Water Solubility : Sol
Density : Not available
Flash Point : Not available

10. STABILITY AND REACTIVITY

Specific Hazard
Incompatibilities
Bases. Oxidising agents. Reducing agents.

Decomposition
Hazardous products of decomposition may include:
carbon monoxide, carbon dioxide.

11. TOXICOLOGICAL INFORMATION

RTCS Number : MCS250000
Acute Toxicity
LD50 : ORL-RAT 1950mg/kg
Harmful by inhalation, in contact with skin and if swallowed. Causes burns.

Special Note
Causes burns. Material is extremely destructive to mucous membranes, upper respiratory tract, eyes and skin. Inhalation may be fatal. Symptoms may include burning sensation, coughing, wheezing, laryngitis, headache, nausea and vomiting.

12. ECOLOGICAL EFFECTS

General
Take care to prevent chemicals from entering the ground, water courses or drainage systems.

13. DISPOSAL CONSIDERATIONS

Disposal
Disposal should be via an approved contractor and should take full account of local regulations.

14. TRANSPORT INFORMATION

UN Number : 1759
Land Transport
ADR/RIC Code/Class : 8 / Packing Group II
Maritime Transport IMDG Code/Class : 8 / Packing Group II
Air Transport IATA Code/Class : 8 / Packing Group II

15. REGULATORY INFORMATION

CAS Number : 79-14-1
EINECS Number : 2011805
EEC Number :
UN Number : 1759
RTCS Number : MCS250000
Hazard Indication :
HARMFUL - CORROSIVE

Risk and Safety Phrases
Harmful by inhalation, in contact with skin and if swallowed.
Causes burns.
Do not breathe dust.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Take off immediately all contaminated clothing.
Wear suitable protective clothing, gloves and eye/face protection.

TSCA: Listed substance.

16. OTHER INFORMATION

It must be recognised that the physical and chemical properties of any product may not be fully understood and that new, possibly hazardous products may arise from reactions between chemicals. The information given in this data sheet is based on our present knowledge and shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of Last Review: 3rd August 1998
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