



MSDS for (Glycolic acid)

**** MATERIAL SAFETY DATA SHEET ****

Section 1 - Chemical Product and Company Identification

MSDS Name	Glycolic acid
Catalog Numbers	147016
Synonyms	Hydroxyacetic acid
Company Identification (China)	J&K CHEMICAL LTD. 18AEF, Building-D, Majestic Garden 6 Bei-Si-Huan-Zhong Road Beijing China 100029
For information in China, call	(86 10) 82848833
For emergencies in China, call	(86 532) 3889090; (86 532) 3889191

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	%	EINECS#
79-14-1	Glycolic acid	99%	201-180-5

Haz Symbols: C



Risk Phrases: 22 34

Section 3 - Hazards Identification EMERGENCY OVERVIEW

Harmful if swallowed. Causes burns. Hygroscopic (absorbs moisture from the air).

POTENTIAL HEALTH EFFECTS

Eye	Causes eye burns. Causes redness and pain.
Skin	Causes skin burns. Causes redness and pain.
Ingestion	Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Causes gastrointestinal tract burns.
Inhalation	Causes chemical burns to the respiratory tract. Inhalation may be fatal as a result of spasm, inflammation, edema of the larynx and bronchi, chemical pneumonitis and pulmonary edema.
Chronic	



Section 4 - First aid Measures

Eyes	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin	Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.
Ingestion	Do not induce vomiting. Get medical aid immediately.
Inhalation	Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Notes to Physician	

Section 5 - Fire Fighting Measures

General Information	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
Extinguishing Media	Use foam, dry chemical, or carbon dioxide.

Section 6 - Accidental Release Measures

General Information	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks	Vacuum or sweep up material and place into a suitable disposal container.

Section 7 - Handling and Storage

Handling	Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.
Storage	Store in a cool, dry place. Store in a tightly closed container. Corrosives area.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.
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PERSONAL PROTECTIVE EQUIPMENT

Eyes	Wear chemical splash goggles.
Skin	Wear appropriate protective gloves to prevent skin exposure.



Clothing	Wear appropriate protective clothing to prevent skin exposure.
Respirators	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State	solid
Color	white
Odor	Not available
pH	2.5 (0.5% aq.sol.)
Vapor Pressure	8.1mmHg @80 deg C
Viscosity	Not available
Boiling Point	Not available
Freezing/Melting Point	75 deg C
Autoignition Temperature	Not available
Flash Point	Not available
Explosion Limits, lower	Not available
Explosion Limits, upper	Not available
Decomposition Temperature	Not available
Solubility in water	Soluble
Specific Gravity/Density	
Molecular Formula	C2H4O3
Molecular Weight	76.04

Section 10 - Stability and Reactivity

Chemical Stability	Stable under normal temperatures and pressures.
Conditions to Avoid	Incompatible materials, exposure to moist air or water.
Incompatibilities with Other Materials	Metals, oxidizing agents, reducing agents, bases, cyanides (e.g. potassium cyanide, sodium cyanide), sulfides (inorganic, e.g. ferric sulfide, lead sulfide, sodium sulfide).
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

Section 11 - Toxicological Information

RTECS#	CAS# 79-14-1: MC5250000.
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LD50/LC50	RTECS: CAS# 79-14-1: Draize test, rabbit, eye: 2 mg Severe; Inhalation, rat: LC50 = 7.1 ug/m ³ /4H; Oral, rat: LD50 = 1950 mg/kg; Other:
Carcinogenicity	Glycolic acid - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information. The toxicological properties have not been fully investigated.

Section 12 - Ecological Information

Ecotoxicity:	Fish: Zebrafish: LC50 = 5000 mg/l; 96h; . Fish: Bluegill/Sunfish: LC50 = 93 mg/l; 48h; .
Other:	Biodegradable. log Pow -1,11

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.*	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
Hazard Class:	8	8	8
UN Number:	3261	3261	3261
Packing Group:	II	II	II

Section 15 - Regulatory Information

European/International Regulations

Hazard Symbols: C

Risk Phrases:

R 22 Harmful if swallowed.

R 34 Causes burns.

Safety Phrases:

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.



S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

WGK (Water Danger/Protection)

CAS# 79-14-1: 1

Canada

CAS# 79-14-1 is listed on Canada's DSL List.

US Federal

TSCA

CAS# 79-14-1 is listed on the TSCA Inventory.

Section 16 - Additional Information

MSDS Creation Date	16/07/1996
Revision #1 Date	15/07/2007

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