

Safety Data Sheet
According to Regulation (EC) No 1907/2006, Annex II,
Amended by COMMISSION REGULATION (EU) 2020/878,
According to REGULATION (EC) No 1272/2008

Glycolic acid 70%

Version 1.0

Issue date: 20-04-2022

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CIRS SDS Record Number: CSSS-TCO-010-151017

Section 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Identification on the label/Trade name: Glycolic acid 70%

Additional identification: Nanoform is NOT covered by this SDS.

UFI: N/A

Identification of the product: See section 3

Index Number: See section 3

REACH registration No.: See section 3

1.2 Relevant identified uses of the substance or mixture and uses advised against:

1.2.1 Identified uses:

Perfumes and fragrances, cosmetics and personal care products, etc

1.2.2 Uses advised against:

No uses advised against are identified.

1.3 Details of the supplier of the safety data sheet:

Supplier(Only representative): -

Supplier(Manufacturer): Guangan Chengxin Chemical Co.,Ltd.

Address: Sichuan Economic Development Zone of Guang'an province Chinese new energy chemical concentration area

Contact person(E-mail): chengxin@hebeichengxin.com

Telephone: +86-311-8569 5996

Fax: +86-311-8463 6311

1.4 Emergency telephone Number:

+86-31166500896 Only available during office hours (9:00a.m.-17:30p.m.)

Available outside office hours? YES NO

Section 2 Hazards Identification

2.1 Classification of the substance or mixture:

2.1.1 Classification of the mixture:

The mixture is classified as following according to REGULATION (EC) No 1272/2008:

REGULATION (EC) No 1272/2008	
Hazard classes/Hazard categories	Hazard statement
Skin Corr. 1B	H314
Eye Dam. 1	H318

For full text of H- phrases: see section 2.2.

2.2 Label elements:

Hazard pictogram(s):**Signal word:**

Danger

Hazard statement(s):

H314: Causes severe skin burns and eye damage.

Precautionary statement(s):

P260: Do not breathe dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P303 + P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER/doctor.

P363: Wash contaminated clothing before reuse.

P405: Store locked up.

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Hazard information (EU)

EUH208: Contains <formaldehyde>. May produce an allergic reaction.

EUH071: Corrosive to the respiratory tract.

2.3 Other hazards:

The mixture does not contain PBT/vPvB substance.

The mixture does not contain endocrine disruptor.

Section 3 Composition/information on ingredients**Substance/Mixture:**

Mixture

Ingredient(s):

Chemical Name	Registration No.	CAS No.	EC No.	Concentration	Classification	Specific Concentration limits, M-Factors, Acute Toxicity Estimates (ATE)
Glycolic acid	N/A	79-14-1	201-180-5	70%	H314 H318 H332 EUH208 EUH071	N/A
Water	N/A	7732-18-5	231-791-2	≤30%	Not classified	N/A

Section 4 First aid measures**4.1 Description of first aid measures:**

In all cases of doubt, or when symptoms persist, seek medical attention.

4.1.1 In case of inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

4.1.2 In case of skin contact:

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean shoes before reuse.

4.1.3 In case of eyes contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention immediately.

4.1.4 In case of ingestion:

If swallowed, DO NOT induce vomiting. If vomiting occurs have person lean forward. Call a physician or poison control centre immediately. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed:

Inhalation may provoke the following symptoms: Cough, Shortness of breath, Pain, Irritation. Skin contact may provoke the following symptoms: Irritation, Rash, Necrosis, Discomfort. Eye contact may provoke the following symptoms: Corrosion, Ulceration, Severe irritation. Ingestion may provoke the following symptoms: Gastrointestinal discomfort, Nausea, Vomiting, Diarrhoea.

4.3 Indication of any immediate medical attention and special treatment needed:

If skin irritation or rash occurs, get medical advice/attention.

Section 5 Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media: Water spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical.

Unsuitable extinguishing media: Not available.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released: Oxides of carbon.

5.3 Advice for firefighters:

Self-contained breathing apparatus with full-face mask and full protective clothing (standard wear).

Section 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

6.1.2 For emergency responders: Wear an appropriate NIOSH/MSHA approved respirator if dust is generated.

6.2 Environmental Precautions:

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water.

6.3 Methods and material for Containment and Cleaning up:

Soak up with inert absorbent material. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent.

6.4 Reference to other sections:

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Section 7 Handling and storage

7.1 Precautions for safe handling:

7.1.1 Protective measures: Do not get on skin or clothing. Do not breathe vapors or spray mist. Do not swallow. Do not get in eyes. Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed.

7.1.2 Advice on general occupational hygiene: Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including any incompatibilities:

Keep in properly labelled containers. Store locked up. Keep tightly closed. Keep in a cool, well-ventilated place. Store in accordance with the particular national

regulations. Reacts with many metals to liberate hydrogen gas which can form explosive mixtures with air. Hydrogen, a highly flammable gas, can accumulate to explosive concentrations inside drums, or any types of steel containers or tanks upon storage. Recommended storage temperature: < 50 °C.

7.3 Specific end use(s):

Not applicable.

Section 8 Exposure Controls/Personal Protection

8.1 Control parameters:

8.1.1 Occupational exposure limits: Not available.

8.1.2 Additional exposure limits under the conditions of use: Not available.

8.1.3 DNEL/DMEL and PNEC-Values: Not available.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.2.2 Individual protection measures, such as personal protective equipment:

Eye/face protection: Chemical resistant goggles must be worn. If splashes are likely to occur, wear: Face-shield.

Skin protection

Hand protection: Material: Chloroprene. Break through time: > 480 min. Glove thickness: 0.6 mm.

Body protection: Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).

Respiratory protection: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Filter type: Self-contained breathing apparatus.

Thermal hazards: Wear suitable protective clothing to prevent heat.

8.2.3 Environmental exposure controls: Avoid discharge into the environment. According to local regulations, Federal and official regulations.

Section 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	Liquid
Colour:	Clear to light yellow
Odour:	Product specific
Odour threshold:	Not available
pH:	0.2-0.7
Melting point/range (°C):	10 °C
Boiling point/range (°C):	112 °C
Flash point (°C):	> 100 °C
Evaporation rate:	Not available
Flammability limit - lower (%):	Not available
Flammability (solid, gas):	Not available
Ignition temperature (°C):	Not available
Upper/lower explosive limits:	Not available
Vapour pressure (25°C):	0.017 hPa
Vapour density:	Not available

Relative Density:	1.25 g/cm ³ (26 °C)
Bulk density (kg/m ³):	Not available
Water solubility (g/l):	> 300 g/L (22 °C)
n-Octanol/Water (log Po/w):	-1.11 (19 °C)
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity, dynamic (mPa.s):	Approx. 6.149 mm ² /s (23.0°C)
Explosive properties:	Not available
Oxidising properties:	Not classified as oxidising

9.2. Other information:

Fat solubility(solvent-oil to be specified) etc:	Not available
Surface tension:	Not available
Dissociation constant in water(pKa):	Not available
Oxidation-reduction Potential:	Not available

Section 10 Stability and reactivity

10.1 Reactivity:	The substance is stable under normal storage and handling conditions.
10.2 Chemical stability:	Stable at room temperature in closed containers under normal storage and handling conditions.
10.3 Possibility of hazardous reactions:	No dangerous reactions known.
10.4 Conditions to avoid:	Incompatible materials.
10.5 Incompatible materials:	Oxidizing agents. Bases.
10.6 Hazardous decomposition products:	Oxides of carbon.

Section 11 Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity:	
ATE _{mix} (oral):	2914.29 mg/kg bw
ATE _{mix} (inhalation):	5.14 mg/L 4 h
ATE _{mix} (Dermal):	Not available
Glycollic acid (CAS#79-14-1)	
LD50(Oral, Rat):	2040 mg/kg bw
LD50(Dermal, Rabbit):	Not available
LC50(Inhalation, Rat):	3.6 mg/L 4 h male
Skin corrosion/Irritation:	Causes severe skin burns and eye damage.
Serious eye damage/irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	Not classified
Germ cell mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive toxicity:	Not classified
STOT- single exposure:	Not classified
STOT-repeated exposure:	Not classified
Aspiration hazard:	Not classified

11.2 Information on other hazards

Endocrine disrupting properties	The mixture does not contain endocrine disruptor.
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Section 12 Ecological information

12.1 Toxicity:

Glycolic acid (CAS#79-14-1)

Acute (short-term) toxicity:

LC50(96h, Fish): 164 mg/L

EC50(48h, Crustacea): 141 mg/L

EC50(72h, Algae/aquatic plants): 22.5 mg/L

Chronic (long-term) toxicity:

NOEC(Fish): Not available

NOEC(Crustacea): Not available

NOEC(Algae/aquatic plants): 10 mg/L

12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: The mixture does not contain PBT / vPvB substance.

12.6 Endocrine disrupting properties: The mixture does not contain endocrine disruptor.

12.7 Other adverse effects: Not available.

12.8 Additional information: Not available.

Section 13 Disposal considerations

13.1 Waste treatment methods:

Dispose of in accordance with all applicable local and national regulations. Use recovery/recycling where feasible, otherwise incineration is the recommended method of disposal. Empty containers may contain hazardous residues. Do not cut, puncture or weld on or near to the container. Labels should not be removed from containers until they have been cleaned. Contaminated containers must not be treated as household waste. Containers should be cleaned by appropriate methods and then re-used or disposed of by landfill or incineration as appropriate. Do not incinerate closed containers.

Section 14 Transport information

	Land transport (ADR/RID)	Inland waterways (ADN)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number or ID number	UN3265	UN3265	UN3265	UN3265
14.2 UN Proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycolic acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycolic acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycolic acid)	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycolic acid)
14.3 Transport hazard Class(es)	8	8	8	8
14.4 Packing group	II	II	II	II
14.5 Environmental	No	No	No	No

hazards				
14.6 Special precautions for user	See section 2.2	See section 2.2	See section 2.2	See section 2.2
14.7 Maritime transport in bulk according to IMO instruments	IBC02	IBC02	IBC02	IBC02

Section 15 Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

Relevant information regarding authorization: Not applicable.

Relevant information regarding restriction: Not applicable.

Other EU regulations: Employment restrictions concerning young person must be observed. For use only by technically qualified individuals.

Other National regulations: Not applicable

15.2 Chemical safety assessment YES NO

Section 16 Other information

16.1 Indication of changes:

Version 1.0 Amended by (EU) 2020/878

16.2 Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation for rail International transportation of Dangerous goods

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: Code international maritime dangerous goods code

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

LC50: median lethal concentration

EC50: The effective concentration of substance that causes 50% of the maximum response.

NOEC: No Observed Effect Concentration

DNEL: derived no-effect level

PNEC: predicted no-effect concentration

16.3 Key literature references and sources for data

ECHA Registered substances data

16.4 Classification and procedure used to derive the classification for mixtures according to Regulation (EC)

1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008		Classification procedure
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method

16.5 Relevant H-statements (number and full text):

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

EUH208: Contains <formaldehyde>. May produce an allergic reaction.

EUH071: Corrosive to the respiratory tract.

16.6 Training instructions:

Not applicable.

16.7 Further information:

Product name: Glycolic acid 70%

Version #: 1.0 Issue date: 20-04-2022.

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This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.8 Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

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