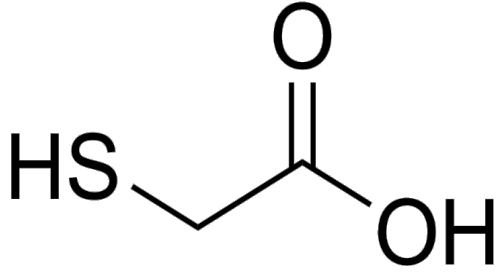

THIOGLYCOLIC ACID



IUPAC NAME: 2-sulfanylacetic acid

CHEMICAL FORMULA: C₂H₄O₂S, HSCH₂COOH

CAS NO: 68-11-1

MOLECULAR WEIGHT: 92.12 g/mol

PACKING:

PRODUCT DESCRIPTION:

Thioglycolic acid is a versatile organic compound widely recognized for its unique chemical properties and diverse applications across various industries. With a molecular structure containing both a thiol (-SH) group and a carboxylic acid (-COOH) group, it exhibits distinct reactivity that makes it a valuable reagent in different processes.

APPLICATION AREAS:

- Hair and Beauty Industry
- Metal Plating and Electrochemistry
- Chemical Synthesis
- Pharmaceuticals and Drug Development
- Dyes and Pigments


CHEMICAL PROPERTIES

PURITY	98%
ACID CONTENT	
MOISTURE AMOUNT	
COLOUR (APHA)	
INHIBITOR	

PHYSICAL PROPERTIES

APPEARANCE	Clear, colourless
PHYSICAL STATE	liquid
ODOR	Strong, unpleasant odor
DENSITY	1.3253 g/cu cm at 20 °C
BOILING POINT	120 °C
FREEZING POINT	-16.5 °C
FLASH POINT	130 °C (Closed cup)
VISCOSITY	6.55 mPa.s (= cP) at 20 °C
VAPOR PRESSURE	0.02 kPa at 30 °C

SAFETY INFORMATION

HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<p>H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.</p> <p>H314 Causes severe skin burns and eye damage.</p> <p>H317 May cause an allergic skin reaction.</p>
PRECAUTIONARY STATEMENT(S)	<p>P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
STORAGE CLASS	<p>Storage class (TRGS 510): 6.1C: Combustible, acute toxic Cat.3 / toxic compounds or compounds which causing chronic effects</p>
STORAGE CONDITIONS	<p>Tightly closed. Keep in a well-ventilated place. Keep locked up or in an area accessible only to qualified or authorized persons.</p> <p>Recommended storage temperature: 2 - 8 °C</p>
TRANSPORT INFORMATION	<p>UN number</p> <ul style="list-style-type: none"> • ADR/RID: 1940 • IMDG: 1940 • IATA: 1940 <p>UN proper shipping name</p> <ul style="list-style-type: none"> • ADR/RID: THIOGLYCOLIC ACID • IMDG: THIOGLYCOLIC ACID • IATA: Thioglycolic acid <p>Transport hazard class(es)</p>



- ADR/RID: 8
- IMDG: 8
- IATA: 8

Packaging group

- ADR/RID: II
- IMDG: II
- IATA: II

Environmental hazards

- ADR/RID: no
- IMDG Marine pollutant: no
- IATA: no

Special precautions for user

Tunnel restriction code: (E)

Further information: No data available

For more information, check the SAFETY DATA SHEET or get contact with us.