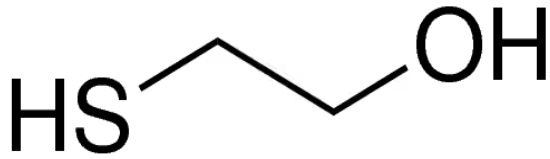

2-MERCAPTOETHANOL



IUPAC NAME: 2-sulfanylethanol

CHEMICAL FORMULA: C₂H₆OS

CAS NO: 60-24-2

MOLECULAR WEIGHT: 78.14 g/mol

PACKING:

PRODUCT DESCRIPTION:

2-Mercaptoethanol, commonly known as beta-mercaptoethanol or 2-ME, is a vital chemical reagent with a diverse range of applications in scientific, industrial, and research settings. Its unique chemical structure, comprising a thiol (-SH) group attached to a two-carbon chain, imparts distinct reactivity and properties, making it a valuable tool in various processes.

IT IS APPLIED IN THE PRODUCTION OF:


- Protein Denaturation and Reduction
- RNA and DNA Analysis
- Cell Culture
- Antioxidant
- Personal care and cosmetic
- Adhesives
- Coating

CHEMICAL PROPERTIES

PURITY	more than 99%
ACID CONTENT	
MOISTURE AMOUNT	
COLOUR (APHA)	
INHIBITOR	

PHYSICAL PROPERTIES

APPEARANCE	Colourless to Very Faint Yellow
PHYSICAL STATE	Liquid
ODOR	Strong disagreeable odor
DENSITY	1.1143 at 20 °C
BOILING POINT	158°C
FREEZING POINT	< -50 °C
FLASH POINT	74 °C (open cup)
VISCOSITY	3.43 cP
VAPOR PRESSURE	0.13 at 20 °C

SAFETY INFORMATION	
HAZARD PICTOGRAM(S)	
HAZARD STATEMENT(S)	<p>H301 + H331 Toxic if swallowed or if inhaled.</p> <p>H310 Fatal in contact with skin.</p> <p>H315 Causes skin irritation.</p> <p>H317 May cause an allergic skin reaction.</p> <p>H318 Causes serious eye damage.</p> <p>H361d Suspected of damaging the unborn child.</p> <p>H373 May cause damage to organs (Liver, Heart) through prolonged or repeated exposure if swallowed.</p> <p>H410 Very toxic to aquatic life with long lasting effects.</p>
PRECAUTIONARY STATEMENT(S)	<p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.</p> <p>P302 + P352 + P310 IF ON SKIN: Wash with plenty of water. Immediately call a POISON CENTER/ doctor.</p> <p>P304 + P340 + P311 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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	Storage class (TRGS 510): 6.1A: Combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials
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: 2966



- IMDG: 2966
- IATA: 2966

UN proper shipping name

- ADR/RID: THIOGLYCOL
- IMDG: THIOGLYCOL
- IATA: THIOGLYCOL

Transport hazard class(es)

- ADR/RID: 6.1
- IMDG: 6.1
- IATA: 6.1

Packaging group

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

Environmental hazards

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

Special precautions for user

Tunnel restriction code: (D/E)

Further information: No data available

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