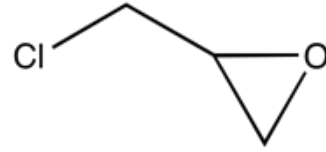


Identification

C₃H₅ClO
M = 92,53 g/mol
CAS [106-89-8]
EC number: 203-439-8
Taric code: 2910 30 00

**Synonyms**

1-Chloro-2,3-epoxypropane, 2,3-Epoxypropyl chloride, 2-Chloromethyl oxirane

Applications

synthesis of organic products, manufacturing of synthetic resins, painting, manufacturing of lacquers.

Specifications

assay (G.C.).....	min. 99 %	density (20°/4°).....	1,178 - 1,182
identity (IR-spectrum).....	passes test	residue on evaporation.....	max. 0,01 %

Physical data

- Density: 1,18 g/cm³
- Solub. in water: (20 °C): 60 g/l
- Melting point: -57,2 °C
- Boiling point: 116,5 °C
- Flash point: 28 °C
- Ignition temperature: 385 °C
- Vapour pressure: (20 °C) 16,5 hPa
- Refraction index: (n 20 °C/D) 1,4375
- Expl. limit (upper): 34,4 Vol%
- Expl. limit (lower): 2,3 Vol%

Safety - GHS

Signal Word: Danger

Hazard Statements:

- H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H350: May cause cancer.
H314: Causes severe skin burns and eye damage.
H226: Flammable liquid and vapour.
H317: May cause an allergic skin reaction.

**Precautionary Statements:**

- P210: Keep away from heat / sparks / open flames / hot surfaces. - No smoking.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353: IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378: In case of fire: Use ... for extinction.
P405: Store locked up.
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

Transport/storage

- ADR: 6.1 TF1 II • UN 2023 • EPICHLOROHYDRIN
- IMDG: 6.1 II • UN 2023 • EPICHLOROHYDRIN
- IATA/ICAO: 6.1 II • UN 2023 • EPICHLOROHYDRIN
- PAX: 609
- CAO: 611
- 10°C - 30°C