



1-Ethoxy-2-propanol (Propylene Glycol Monoethyl Ether)

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CAS No. 1569-02-4

1-Ethoxy-2-propanol is clear colorless liquid with mild odor. It is flammable.

Above 40°C explosive vapour/air mixtures may be formed [INCHEM].

Usage and exposure

1-Ethoxy-2-propanol is used as a solvent for a wide variety of resins such as epoxies, acrylic, alkyds, polyesters, nitrocellulose, and polyurethanes. It is also used in the surface coating and printing industries, thereby it regulate the flow, levelling, and coalescence of both surface coatings. It acts as an intermediate in the production of agro-chemicals and de-icing, and anti-icing formulations. It finds application as to make cleaning products, as grease and paint remover [Alfa Aesar].

Routs of exposure

Eyes, skin, respiratory system.

Target organs

Eyes, skin, respiratory system, liver, kidneys, reproductive system.

Health hazards

Eye: causes eye irritation. Contact produces irritation, tearing, and burning pain.

Skin: causes skin irritation.

Ingestion: may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Inhalation: causes respiratory tract irritation.

Chronic exposure: no data available [MOLBASE].

References:

- Alfa Aesar by Thermo Fisher Scientific. Products. 1-Ethoxy-2-propanol. <https://www.alfa.com/en/catalog/043306/>
- INCHEM. International Labour Organization. International Programme on Chemical Safety (IPCS). International Peer Reviewed Chemical Safety Information (INCHEM). Propylene Glycol Monoethyl Ether. <http://www.inchem.org/documents/icsc/icsc/eics1573.htm>
- MOLBASE. Chemical e-commerce platform. Compound Encyclopedia. 1-Ethoxy-2-propanol MSDS. http://www.molbase.com/en/msds_1569-02-4-moldata-22915.html