

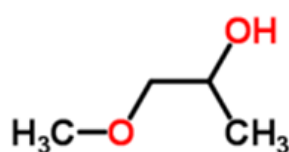


## 1-Methoxy-2-Propanol (Propylene glycol methyl ether)

Updated: November 2018

CAS number 107-98-2

The chemical formula of 1-Methoxy-2- Propanol is:



It is colorless liquid with a sweet ether-like odor.

Vapors are heavier than air.

Odor thresholds vary greatly.

It is not recommended to rely on odor alone to determine potentially hazardous exposure.

### Usage and exposure

It is an organic solvent with a wide variety of industrial and commercial uses.

- Chemical intermediate – for the manufacture of propylene glycol methyl ether acetate.
- Active solvent for solvent-based coatings.
- Active and tail solvent for solvent based gravure and flexographic printing inks.
- Coupling agent in solvent blends for water-based gravure, flexographic, and silk screen printing inks.
- Coalescing agent – for water-based paints and inks to promote polymer fusion during the drying process.
- Coatings – for automotive, architectural, industrial maintenance, wood and coatings, and metal finishing.
- Electronics – to manufacture copper-clad lamination products.
- Carrier solvent for ball point and felt tip writing pen inks.

- Coupling agent and solvent for household and industrial cleaners, rust removers, and hard surface cleaners.
- Solvent for agricultural pesticides, deactivator and emollient for livestock pesticides [DOW].

## **Routs of exposure**

Respiratory tract, skin, eyes.

The main route of exposure for 1-methoxy-2-propanol is via the respiratory tract.

It is very rapidly resorbed via the respiratory tract.

## **Target organs**

Respiratory tract, skin, eyes and mucous membranes.

## **Metabolism**

Information pertaining to humans is not available [IFA].

## **Health hazards**

Inhalation of vapors of 1-methoxy-2-propanol causes irritation of mucous membranes, sore throat, cough, drowsiness, and headache.

1-methoxy-2-propanol may irritate skin and cause redness and dryness of skin.

Also it causes lacrimation, redness and pain eyes.

Prolonged exposure to vapors may cause coughing, shortness of breath, dizziness and intoxication.

Ingestion of 1-methoxy-2-propanol causes drowsiness, headache, nausea [CDC].

## **Chronic effects**

Information relevant to humans is not available [IFA].

## **References**

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