

## PRODUCT STEWARDSHIP SUMMARY

# Diglyme



Chemical Name:	Diethylene glycol dimethyl ether
Chemical Category:	Organic solvent
Synonyms:	2-Methoxyethyl ether; Di(2-methoxyethyl) ether; Diethylene glycol dimethyl ether, Diglyme, Dimethoxydiglycol
CAS Number:	111-96-6
CAS Name:	Diethylene glycol dimethyl ether
EC (EINECS) Number:	203-924-4
Revision Date:	February 2019

- Diglyme is an organic compound primarily handled in industrial settings. It is used as a solvent, for applications in the semiconductor industry, for circuit boards, and various chemical syntheses. It is also used as a separating agent for distillations.
- There is potential for inhalation of vapors or accidental skin contact for workers in facilities where diglyme is used as a solvent. Good manufacturing and industrial hygiene practices should be followed to prevent or reduce exposure. See the Safety Data Sheet (SDS) for additional information.
- Diglyme is a clear colorless liquid with a mild ether-like smell. It is flammable, and vapors may form explosive mixtures with air. In the event of a fire, hazardous byproducts may form such as carbon monoxide and carbon dioxide. In the presence of oxidation agents, it may also form peroxide. There are no known natural sources of diglyme. It is prepared by the catalytic conversion of dimethyl ether and ethylene oxide under pressure.
- Diglyme is readily absorbed by the body through both dermal contact and inhalation. It is not highly toxic with a single exposure. It can be slightly irritating to the skin and eyes. It will enter the blood stream and be metabolized into other breakdown products before being eliminated in the urine.

- Diglyme is a reproductive toxin in animals and presumed to affect fertility and cause birth defects in humans.
- Diglyme is not genotoxic based on genetic assays. Diglyme is not considered a known or anticipated carcinogen by OSHA, NTP or IARC.
- Diglyme is considered to be practically non-toxic to aquatic life. Diglyme is not readily biodegradable in the environment. However, it has a low potential for bioaccumulation.
- Please **contact us** for more information. Additional information may also be found at the following links:

### **CICAD - Diethylene glycol dimethyl ether**

### **European Chemicals Agency- Background Document- bis (2-methoxyethyl)ether (Diglyme, DEGEME)**

This product stewardship summary is intended to give general information about the chemical or categories of chemicals addressed. It is not intended to provide an in-depth discussion of all health and safety information. Additional information on the chemical is available through the applicable Material Safety Data Sheet which should be consulted before use of the chemical. The product stewardship summary does not supplant or replace required regulatory and/or legal communication documents. Statements concerning use of our products are made without warranty that any such use is free of patent infringement and are not recommendations to infringe any patent.