

## SAFETY DATA SHEET

Creation Date 20-Aug-2009

Revision Date 18-Jan-2018

Revision Number 5

### 1. Identification

<b>Product Name</b>	<b>Ethylene glycol dimethyl ether</b>
<b>Cat No. :</b>	<b>BP2613100, O24301, O24304</b>
<b>CAS-No</b>	110-71-4
<b>Synonyms</b>	Monoglyme; 1,2-Dimethoxyethane
<b>Recommended Use</b>	Laboratory chemicals.





formation is suspected, do not open or move container. Keep away from open flames, hot surfaces and sources of ignition. Use only non-sparking tools. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Take precautionary measures against static discharges.

**Storage**

Keep containers tightly closed in a dry, cool and well-ventilated place. Containers should be dated when opened and tested periodically for the presence of peroxides. Should crystals form in a peroxidizable liquid, peroxidation may have occurred and the product should be considered extremely dangerous. In this instance, the container should only be opened remotely by professionals. Keep away from heat and sources of ignition.

## 8. Exposure controls / personal protection

**Exposure Guidelines**

NIOSH IDLH: *The National Institute for Occupational Safety and Health Immediately Dangerous to Life or Health*

**Engineering Measures**

Use only under a chemical fume hood. Ensure that eyewash stations and safety showers are close to the workstation location. Use explosion-proof electrical/ventilating/lighting/equipment. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment****Eye/face Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection criteria: Tj 100 0 Td(o) Tj 100 0 Td(g) Tj 100 0 Td(g)0 Td ( ) TjTj 40100 OTj 100 0

## 9. Physical and chemical properties

<b>Physical State</b>	Liquid
<b>Appearance</b>	Colorless
<b>Odor</b>	Petroleum distillates
<b>Odor Threshold</b>	No information available
<b>pH</b>	No information available
<b>Melting Point/Range</b>	-69 °C / -92.2 °F
<b>Boiling Point/Range</b>	84 - 86 °C / 183.2 - 186.8 °F @ 760 mmHg
<b>Flash Point</b>	-6 °C / 21.2 °F
<b>Evaporation Rate</b>	5.0 (Butyl Acetate = 1.0)
<b>Flammability (solid,gas)</b>	Not applicable
<b>Flammability or explosive limits</b>	
<b>Upper</b>	10.40%
<b>Lower</b>	1.60%
<b>Vapor Pressure</b>	64 hPa @ 20 °C
<b>Vapor Density</b>	3.1 (Air = 1.0)
<b>Specific Gravity</b>	0.867
<b>Solubility</b>	Miscible with water
<b>Partition coefficient; n-octanol/water</b>	No data available
<b>Autoignition Temperature</b>	200 °C / 392 °F
<b>Decomposition Temperature</b>	No information available
<b>Viscosity</b>	1.1 mPa.s at 20 °C



## 12. Ecological information

### Ecotoxicity

Do not empty into drains. .

Component	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Ethylene glycol dimethyl ether	Not listed	>5000 mg/L 96h	Not listed	Not listed

**Persistence and Degradability** Persistence is unlikely based on information available.

**Bioaccumulation/ Accumulation** No information available.

**Mobility** Will likely be mobile in the environment due to its volatility.

Component	log Pow
Ethylene glycol dimethyl ether	-0.21

## 13. Disposal considerations

**Waste Disposal Methods** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to

S - Indicates a substance that is identified in a proposed or final Significant New Use Rule

T - Indicates a substance that is the subject of a Section 4 test rule under TSCA.

XU - Indicates a substance exempt from reporting under the Inventory Update Rule, i.e. Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(B)).

Y1 - Indicates an exempt polymer that has a number-average molecular weight of 1,000 or greater.

Y2 - Indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

### U.S. Federal Regulations

#### TSCA 12(b)

Component	TSCA 12(b) Section 5		
Ethylene glycol dimethyl ether			
SARA 313	SARA 313 - Threshold Values %		
Component	CAS-No	Weight %	SARA 313 - Threshold Values %
Ethylene glycol dimethyl ether	110-71-4	>95	1.0

**SARA 311/312 Hazard Categories** See section 2 for more information

**CWA (Clean Water Act)** Not applicable

#### Clean Air Act

Component	HAPS Data	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Ethylene glycol dimethyl ether	X		-

**OSHA Occupational Safety and Health Administration**  
Not applicable

**CERCLA** Not applicable

**California Proposition 65** This product does not contain any Proposition 65 chemicals

#### U.S. State Right-to-Know Regulations

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethylene glycol dimethyl ether	X	X	X	X	-

#### U.S. Department of Transportation

Reportable Quantity (RQ):	N
DOT Marine Pollutant	N
DOT Severe Marine Pollutant	N

#### U.S. Department of Homeland Security

This product does not contain any DHS chemicals.

### Other International Regulations

**Mexico - Grade** Serious risk, Grade 3

## 16. Other information

**Prepared By** Regulatory Affairs  
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**Creation Date**

