

### SECTION-1: Identification of the substance / mixture and the company / undertaking

<b>Catalogue Number</b>	CS-DV-01066
<b>Product Name</b>	2-(2-methoxy-ethoxy)-ethanol
<b>CAS No.</b>	111-77-3
<b>Category</b>	Intermediate
<b>Synonyms</b>	Not available
<b>Brand</b>	Clearsynth Labs Ltd.
<b>Identified uses</b>	Laboratory Chemicals
<b>Uses advised against</b>	Not available
<b>Company</b>	Clearsynth Labs Ltd. Mumbai, India
<b>Emergency Phone #</b>	+91-22-245045900
<b>REACH No.</b>	Not available

### SECTION 2: Hazards identification

**Disclaimer:** This is sample MSDS. Please email [sales@clearsynth.com](mailto:sales@clearsynth.com) for more details.

#### 2.1 Classification of the substance or mixture-Regulation (EC) No 1272/2008:

Serious eye damage/eye irritation (Category 2)

Acute toxicity (Category 4)

#### 2.2 Label Elements

**Signal Word:** Warning



#### Hazard Statement(s)

Code	Statement
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.
H361	Not available

H227	Not available
H336	Not available
H360	Not available
H373	Not available

**Precautionary Statement(s)**

Code	Statement
P203	Not available
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P318	Not available
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulation
P264+P265	Not available
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present
P317	Not available
P321	Specific treatment (see ... on this label).
P337+P317	If eye irritation persists: Get medical help.
P362+P364	Take off contaminated clothing and wash it before reuse.
P210	Not available
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P319	Get medical help if you feel unwell.
P370+P378	Not available
P403	Not available
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P260	Not available

**SECTION 3: Composition / information on ingredients**

3.1 Substance

Component : 2-(2-methoxy-ethoxy)-ethanol

CAS Number : 111-77-3

Molecular Formula : -

Molecular Weight : -

Parent Chemical : -

Synonyms : Not available

Concentration : Not available

### SECTION 4: First aid measures

Not available

### SECTION 5: Firefighting measures

Not available

### SECTION 6: Accidental release measures

Not available

### SECTION-7: Handling and storage

Not available

### SECTION 8: Exposure controls / personal protection

Not available

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Test	Result
Appearance	No data available
IR spectrum	No data available
pH	No data available
Solubility	No data available

Property	Value
a) Physical State	No data available

Property	Value
b) Color	No data available
c) Odor	No data available
d) pH	No data available
e) Vapour Pressure	No data available
f) Viscosity	No data available
g) Initial Boiling Point and boiling range	No data available
h) Melting Point / Freezing Point	No data available
i) Auto Ignition Temperature	No data available
j) Flash Point	No data available
k) Explosion Limit, Lower	No data available
l) Explosion Limit, Upper	No data available
m) Decomposition Temperature	No data available
n) Loss on Drying	No data available
o) Relative Density	No data available
p) Solubility (in DMSO)	No data available
q) Oxidizing Properties	No data available

## SECTION 10: Stability and reactivity

Not available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

- Acute toxicity: /SIGNS AND SYMPTOMS/ B. 1. Central nervous depression ... 2. No hypocalcemic tetany or metabolic acidosis ... 3. Nausea, vomiting, and sometimes diarrhea. 4. ... Headache. Later abdominal and lumbar pain and costovertebral angle tenderness. 5. Transient polyuria and then oliguria, progressing to anuria. 6. Acute renal failure ... 7. Pathological lesions may appear in brain, lung, liver, meninges and heart. 8. Observations in animals suggest remote possibility of pulmonary edema, intravascular hemolysis and bone marrow depression ... . /Diethylene glycol/ For more Human Toxicity Excerpts (Complete) data for DIETHYLENE GLYCOL MONOMETHYL ETHER (7 total), please visit the HSDB record page.
- Skin corrosion/irritation: No data available.
- Serious eye damage/eye irritation: /SURVEILLANCE/ /The aim is/ to study health effects in hospital cleaners (N = 21) at floor polish removal and application. The cleaners were investigated before exposure (Monday = day 1), after polish removal work (day 2), and after application of floor polish (day 3). Ratings of symptoms, tear-film

break-up-time (BUT), nasal patency and biomarkers in nasal lavage were studied. There was a significant increase both day 2 and day 3, as compared to pre-exposure, in ocular, nasal, throat symptoms, solvent smell, dyspnea, and general symptoms such as headache and fatigue. Posterior nasal patency was decreased day 2 ( $p < 0.01$ ) and day 3 ( $p < 0.01$ ). No change of nasal biomarkers (eosinophil cationic protein (ECP), myeloperoxidase (MPO), lysozyme, albumin) was seen. BUT was decreased after polish removal ( $p < 0.01$ ), but not after polish application. Separate test of the weekday effect in non-exposed showed slight improvements, or no change of symptoms or clinical signs from Monday to Wednesday. Air concentrations of ethylene glycol monoethyl ether, ethylene glycol monobutyl ether, diethylene glycol monoethyl ether, dipropylene glycol monomethyl ether, diethylene glycol monoethyl ether and ethylene glycol phenyl ether 103, 666, 13,650, 7,000, 67, and 27 ug/cu m, respectively, at polish application. Glycol ether levels were reduced to 3% after 2 days and 0.3% after 17 days. Emissions from a common water-based polish remover and floor polish system may cause ocular and airway irritation and general symptoms, and reduce tear-film stability and nasal patency. The levels of glycol ethers had a rapid decay. /LABORATORY ANIMALS: Acute Exposure/ Found to be slightly irritating in the rabbit eye irritation test when 500 mg were applied for 24 hrs. /from table/

- Respiratory or skin sensitization: /HUMAN EXPOSURE STUDIES/ ... Diethylene glycol methyl ether at a concentration of 20% in petrolatum when applied as a closed patch test for 48 hours caused no irritation or sensitization in 25 human subjects. /LABORATORY ANIMALS: Acute Exposure/ No sensitization effects; only mild irritation /was observed with/ sc application of 0.08-8 mg followed by epidermal application /in the guinea pig/.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: Inadequate information to assess carcinogenic potential
- Reproductive toxicity: No data available.
- STOT-single exposure: No data available.
- STOT-repeated exposure: No data available.
- Aspiration hazard: No data available.

Likely routes of exposure

- No data available.

Symptoms related to the physical, chemical and toxicological characteristics

- /SIGNS AND SYMPTOMS/ B. 1. Central nervous depression ... 2. No hypocalcemic tetany or metabolic acidosis ... 3. Nausea, vomiting, and sometimes diarrhea. 4. ... Headache. Later abdominal and lumbar pain and costovertebral angle tenderness. 5. Transient polyuria and then oliguria, progressing to anuria. 6. Acute renal failure ... 7. Pathological lesions may appear in brain, lung, liver, meninges and heart. 8. Observations in animals suggest remote possibility of pulmonary edema, intravascular hemolysis and bone marrow depression ... . /Diethylene glycol/

## SECTION 12: Ecological information

Not available

## SECTION 13: Disposal considerations

Not available

## SECTION 14: Transport information

Not available

### SECTION 15: Regulatory information

Not available

### SECTION 16: Other information

Not available

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