

## Safety Data Sheet

### Glycol Ether DE LGV

Version 1.3

Revision Date: 11/05/2022

#### SECTION 1. IDENTIFICATION

**Product name** : Glycol Ether DE LGV

**Synonyms** : Diethylene Glycol Monoethyl Ether; Ethyl diglycol ether; Ethoxy diglycol

#### Recommended use of the chemical and restrictions on use

**Recommended use** : Solvent.

**Restricted Uses** : No data available

#### Manufacturer or supplier's details

**Company** : Univar Solutions Canada Ltd.  
**Address** : 64 Arrow Road  
North York, ON, M9M 2L9  
Canada

#### Emergency telephone number:

Local Emergency Contact : During Office hours Monday-Friday, 8.00 am - 4.30 pm (Pacific Standard Time) : 1-866-686-4827

**Additional Information:** : Responsible Party: Product Compliance Department  
E-mail: SDSNA@univarsolutions.com  
SDS Requests: 1-855-429-2661  
Website: www.univarsolutions.com

#### SECTION 2. HAZARD IDENTIFICATION

##### Hazardous Classification of the substance or mixture

**Flammable liquids** : Category 4

**Specific target organ toxicity - single exposure** : Category 3 (Central nervous system)

##### Label elements

**Hazard pictograms** :



**Signal word** : Warning

**Hazard statements** : H227 Combustible liquid.  
H336 May cause drowsiness or dizziness.

**Precautionary statements** : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**

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P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

**Storage:**

P403 Store in a well-ventilated place.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

**Hazardous components**

CAS-No.	Chemical name	% by Weight	Synonyms
111-90-0	Glycol ether DE	90 - 100	Glycol ether DE

The exact ranges of this mixture are being withheld due to a Trade Secret.

### SECTION 4. FIRST-AID MEASURES

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Do not induce vomiting without medical advice.

### SECTION 5. FIREFIGHTING MEASURES

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Suitable extinguishing media	: Carbon dioxide (CO <sub>2</sub> ) Alcohol-resistant foam Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during fire-fighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: Carbon oxides
Specific extinguishing methods	: Use a water spray to cool fully closed containers.
Further information	: Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

#### SECTION 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.

#### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	: Do not spray on a naked flame or any incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
Advice on safe handling	: Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage	: No smoking.

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Keep in a well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Storage period : 6 - 24 Months  
Packaging material : Suitable material: Carbon steel  
Suitable material: Stainless steel  
Unsuitable material: Aluminium  
Unsuitable material: Copper  
Unsuitable material: Iron

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

CAS-No.	Components	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
111-90-0	Glycol ether DE	TWA	30 ppm 165 mg/m <sup>3</sup>	CA ON OEL

### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.  
In the case of vapour formation use a respirator with an approved filter.

### Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles

Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : Wash hands before breaks and at the end of workday.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : Clear, colorless  
Odour : mild, pleasant  
Odour Threshold : 1.1 ppm

pH : No data available

Freezing Point (Melting point/range) : -54 °C (-65 °F)  
Freezing Point (Freezing Point) : -90 °C (-130 °F)  
Boiling Point (Boiling) : 196 - 198 °C (385 - 388 °F)

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point/boiling range)	
Flash point	: 90.85 - 91 °C (195.53 - 196 °F) (1013 hPa) Method: closed cup
Evaporation rate	: 0.01 (Butyl Acetate = 1)
Flammability (solid, gas)	: No data available
Upper explosion limit	: 23.5 %(V)
Lower explosion limit	: 1.2 %(V)
Vapour pressure	: 0.095 - 0.127 mmHg @ 20 - 25 °C (68 - 77 °F)
Relative vapour density	: < 4.62 @ 20 - 25 °C (68 - 77 °F) (Air = 1.0)
Relative density	: 0.990 @ 20 °C (68 °F) Reference substance: (water = 1)
Density	: 0.989 g/cm <sup>3</sup> @ 20 °C (68 °F)
Solubility(ies)	
Water solubility	: completely miscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: -0.54 @ 20 °C (68 °F)
Auto-ignition temperature	: 203 - 204 °C 760 mmHg
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: 4.4 - 4.5 mPa.s @ 20 °C (68 °F)
Viscosity, kinematic	: 4.54 mm <sup>2</sup> /s @ 20 °C (68 °F)

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Can form potentially explosive peroxides upon long standing in air.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources. Exposure to air.
Incompatible materials	: acid chlorides Acid anhydrides Bases Strong acids Strong oxidizing agents

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Hazardous decomposition products	: Aldehydes Ketones Organic acids
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#### SECTION 11. TOXICOLOGICAL INFORMATION

**ACGIH** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

##### STOT - single exposure

**Product:**

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.

##### Aspiration toxicity

**Product:**

No aspiration toxicity classification

##### Further information

**Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

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#### SECTION 12. ECOLOGICAL INFORMATION

##### Ecotoxicity

No data available

##### Persistence and degradability

**Components:**

111-90-0:

##### Bioaccumulative potential

No data available

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#### Mobility in soil

##### Components:

##### 111-90-0:

Stability in soil : Remarks: Not expected to adsorb on soil.

#### Other adverse effects

##### Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life with long lasting effects.

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## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of in accordance with all applicable local, state and federal regulations.  
For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Uni-var Solutions ChemCare: 1-800-637-7922

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Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14. TRANSPORT INFORMATION

**TDG (Transportation of Dangerous Goods):** Not regulated as a dangerous good

**IATA (International Air Transport Association):** Not regulated as a dangerous good

**IMDG-Code:** Not regulated as a dangerous good

**Special Notes:** : The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

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#### SECTION 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all of the information required by the HPR.

**NPRI Components** : 107-21-1  
110-80-5

**The components of this product are reported in the following inventories:**

TSCA : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL

AICS : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PHIL : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

#### SECTION 16. OTHER INFORMATION

The information accumulated is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made become available subsequently to the date hereof, we do not assume any responsibility for the results of its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Univar Solutions EHS Product Compliance Department (1-855-429-2661) SDSNA@univarsolutions.com.

**Revision Date** : 11/05/2022

**Material number:**

16174328, 16163833, 16154701, 16157588, 16166594, 16166651, 16143628, 16144204, 16153816, 16153316, 16159032, 16159022, 16142490, 16130731, 16126489, 16115313, 55071, 506616, 630892, 546343, 16056167, 53058, 70053, 16056166, 86323, 16062079, 553690, 623275, 721710, 551491, 87076, 101851

Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level



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DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Substances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZIoC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Research on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		