

**SECTION 1. IDENTIFICATION**

**Product name** : GLYCOL ETHER DM

Synonyms : No data available

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

Recommended use : Industrial chemical

Restricted Uses : No data available

**Manufacturer or supplier's details**

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

Reproductive toxicity : Category 2

**Label elements**

Hazard pictograms :



Signal word : Warning

Hazard statements : H227 Combustible liquid.  
H361 Suspected of damaging fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
**Response:**  
 P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
 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.  
 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
111-77-3	Glycol Ether DM	80 - 100	Glycol Ether DM

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

**Molecular formula** : CH<sub>3</sub> O (CH<sub>2</sub>CH<sub>2</sub>O)<sub>2</sub>H

**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 : Do not induce vomiting without medical advice.  
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.  
Take victim immediately to hospital.

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**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
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  
  
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.

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

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 : Contain spillage, and then collect with non-combustible ab-

containment and cleaning up : sorbent 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.

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## 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.  
Avoid contact with skin and eyes.  
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.  
Keep in a well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.

Storage period : 6 - 24 Months

Packaging material : Unsuitable material: Aluminium, Copper, Iron, Unlined steel, Zinc  
  
Suitable material: Carbon steel, Stainless steel

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### 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.  
  
Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Organic vapour type

## 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	:	When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance	:	liquid
Colour	:	Clear, colorless
Odour	:	mild, aromatic
Odour Threshold	:	No data available
pH	:	No data available
Freezing Point (Melting point/freezing point)	:	-84 - -65 °C (-119 - -85 °F)
Boiling Point (Boiling point/boiling range)	:	193 - 194 °C (379 - 381 °F) (1013 hPa)
Flash point	:	83.9 - 91 °C (183.0 - 196 °F) (1,013 hPa) Method: closed cup
Evaporation rate	:	0.02 (Butyl Acetate = 1)
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	22.7 %(V)
Lower explosion limit	:	1.38 %(V)
Vapour pressure	:	0.19 - 0.25 mmHg @ 20 - 25 °C (68 - 77 °F)
Relative vapour density	:	< 4.2 @ 20 - 25 °C (68 - 77 °F) (Air = 1.0)
Relative density	:	1.020 - 1.025 @ 20 °C (68 °F)

Reference substance: (water = 1)

Density	: 1.022 - 1.025 g/cm <sup>3</sup> @ 20 °C (68 °F)
Solubility(ies) Water solubility	: completely soluble
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: log Pow: -0.47 - -0.46 @ 20 °C (68 °F)
Auto-ignition temperature	: 215 °C
Thermal decomposition	: No data available
Viscosity	
Viscosity, dynamic	: 3.9 mPa.s @ 20 °C (68 °F)
Viscosity, kinematic	: 3.82 - 3.89 mm <sup>2</sup> /s @ 20 °C (68 °F)

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**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	: No hazards to be specially mentioned.
Conditions to avoid	: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials	: Acids Bases Oxidizing agents Oxidizing agents Aluminium
Hazardous decomposition products	: Aldehydes Carbon oxides 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 carcino-

gen by ACGIH.

**Reproductive toxicity****Components:****111-77-3:**

Effects on foetal development : Test Type: Embryo-foetal development  
Species: Rat  
Application Route: Oral  
Duration of Single Treatment: 10 d  
Teratogenicity: LOAEL: 720 mg/kg body weight  
Symptoms: Skeletal malformations

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

Teratogenicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

**STOT - single exposure****Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**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**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**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** : 111-77-3  
109-86-4  
110-80-5  
67-56-1**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	: Not 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
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

**Canadian lists**

**A Notice or Order has been published indicating that the Significant New Activity (SNAc) provisions of CEPA apply to following substance(s):**

111-77-3                      Glycol Ether DM

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**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](mailto:SDSNA@univarsolutions.com).

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

**Legacy SDS:**                      : R0004672

**Material number:**

16178899, 16135824, 16158996, 16056147, 16056146, 16062111, 16061862, 16028238, 16011060, 752293, 56459, 71268, 89511, 87641, 502592, 501305, 39850, 22037, 22025, 21955, 21825, 20544

ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
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%