

**METHOXY PROPOXY PROPANOL****Code : 12119****Responsible for distribution:**

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**In case of emergency:**

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Antipoison Center - Brussels :  
TEL: 070/245.245

The Netherlands:  
National Poisoning Information Center - Bilthoven :  
TEL: 030/274.88.88

**SECTION 1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

- \* Chemical description : Dipropyleneglycolmonomethylether , 2- Methoxymethylethoxy-Propanol , DPGME.  
Type of product : Pure product .
- \* Reach registration number : 01-2119450011-60

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

- \* Identified use(s) : At this time we do not yet have information on identified uses. They will be included when available.
- \* Use(s) advised against : At this time we do not yet have information on uses advised against. They will be included when available.

**1.3. Details of the supplier of the safety data sheet**

Company identification : See heading of Material Safety Data Sheet.

**1.4. Emergency telephone number**

Emergency phone number : See heading of Material Safety Data Sheet.

**SECTION 2. Hazards identification****2.1. Classification of the substance or mixture****Classification according to Directive 67/548/EEC or 1999/45/EC**

Not classified.

**Classification according to Regulation (EC) No 1272/2008**

- \* Not classified.

**2.2. Label elements****Label in accordance with Regulation (EC) No 1272/2008**

- \* According to the applicable legislation, this product has not to be labelled.

**2.3. Other hazards**

- \* Physical/chemical hazards : No significant danger.
- \* Hazards for the health : A health dangerous concentration in the air will not or very slowly be reached by evaporation of this substance at app. 20°C; by spraying much faster.
- \* Hazards for the environment : No significant danger. This product is no substance or contains no PBT or vPvB (in accordance with Annex XIII).
- \* Hazards for the safety : At or above flash point, available vapours may burn in open or explode if confined when mixed with air and exposed to ignition source.

**METHOXY PROPOXY PROPANOL**

**Code : 12119**

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

**3.1. Substances**

Name component(s)	Weight %	CAS nr	EINECS nr	Index nr		CLASSIFICATION
* Dipropyleneglycol monomethylether	: > 99 %	34590-94-8	252-104-2	----	01-2119450011-60	Not classified. (DSD/DPD) ----- Not classified. (GHS)

\* The full text of the R-phrases and (EU)H-statements is in section 16.

**SECTION 4. First aid measures**

**4.1. Description of first aid measures**

- General : In case of doubt or persistent symptoms, call a physician.  
Never give anything by mouth to an unconscious person.
- First Aid Measures
- Inhalation : Remove victim into fresh air.  
Allow the affected person to rest.  
If not breathing, give artificial respiration.  
Consult a doctor.
- Skin Contact : Remove contaminated clothing.  
Rinse skin immediately with mild soap and plenty of water. (shower if necessary).  
Consult doctor if permanent complaints.
- Eye Contact : Rinse immediately thoroughly and long (at least 15 min.) with plenty of water.  
Remove contact lenses.  
Consult eye doctor if irritation of eyes develops.
- Ingestion : DO NOT INDUCE VOMITING. Rinse mouth with water.  
Give lukewarm water to drink.  
Seek medical attention, if necessary take to hospital.

**4.2. Most important symptoms and effects, both acute and delayed**

\* See section 11.

**4.3. Indication of any immediate medical attention and special treatment needed**

\* For specialist advice doctors should contact the NVCI or the Belgian Poison center.

**SECTION 5. Firefighting measures**

**5.1. Extinguishing media**

- Extinguishing Media
- \* - Suitable : Extinguishing powder , Alcohol resistant foam , Carbon dioxide (CO2) , Water spray
- \* - Not to be used : Heavy water stream .

**5.2. Special hazards arising from the substance or mixture**

Special Exposure Hazards : Fire may liberate carbon oxides (CO) and smoke.

**5.3. Advice for firefighters**

- \* Special Protective Equipment for Firefighters : Use self-contained breathing apparatus and wear protective clothes when in close proximity to fire.
- Special Procedures : Apply water spray or fog to cool nearby equipment.  
Avoid fire-fighting water to enter environment.

**METHOXY PROPOXY PROPANOL**

**Code : 12119**

**SECTION 6. Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Personal Precautions : Eliminate every possible source of ignition (open fire, sparks, smoking, ...).  
Evacuate all personnel immediately and ventilate area.  
Avoid breathing vapour and contact with skin, eyes and clothing. Wear recommended personal protective equipment. (See section 8)

**6.2. Environmental precautions**

Environmental Precautions : Shut off leaks if without risks.  
Dike in the spilled product as much as possible with inert material.  
Prevent entry of product in public water, sewers or soil.  
Notify authorities if product enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

\* Methods for Cleaning Up : Collect the spillage in closable, suitable disposal containers.  
Clean up any spills as soon as possible, using an inert absorbent material.  
Residue is to be washed down with plenty of water.

**6.4. Reference to other sections**

\* For personal protection, see section 8.  
For the removal of the waste product, see section 13.

**SECTION 7. Handling and storage**

**7.1. Precautions for safe handling**

\* Handling : AVOID FOG TRANSFORMATION !  
Avoid breathing vapour and contact with skin, eyes and clothing. Wear recommended personal protective equipment. (See section 8)  
Wash hands before and after working with the product.  
Before distillation: check if peroxides exist.  
When using, do not eat, drink or smoke.  
Emergency eye wash fountains and showers should be available in the immediate vicinity of any potential exposure.

**7.2. Conditions for safe storage, including any incompatibilities**

\* Storage : Keep only in the original, safely locked container in a well-ventilated place.  
All dangerous products should be placed on a drip tray or should be barreled.  
Store away from all heat sources, including direct sunlight.  
Keep away from : Oxidizing agents .

\* Protection against Fire and Explosion : Remove all sources of ignition (open fire, sparks, smoking, ...).  
With a temperature equal to or higher than the flash point, the mixture steam-air may create a highly flammable and explosive mixture.  
Sufficiently earthen.  
Use spark-arm implement.

Packaging Material : Stainless steel .

\* Insuitable Packaging Material : Aluminium , Rubber .

**7.3. Specific end use(s)**

\* For identified uses, see subsection 1.2 and/or exposure scenarios.

**SECTION 8. Exposure controls/personal protection**

**8.1. Control parameters**

\* Occupational Exposure Limits : Dipropylenglycol monomethylether : Limit value (BE) : 50 ppm (308 mg/m<sup>3</sup>) (2011) (D)

**METHOXY PROPOXY PROPANOL**

**Code : 12119**

**SECTION 8. Exposure controls/personal protection (continued)**

Dipropylenglycol monomethylether : Limit value (TWA 8 h) (NL) : 300 mg/m<sup>3</sup> (2007)  
 (D) The mention "D" means that the absorption of the agent by skin, mucous membranes or eyes constitutes an important part of the total exposition. This absorption can be the consequence of direct contact as well as his presence in the air.

- \* Biological limit values : They will be included when available.
- \* DNELs :
  - Dipropylenglycol monomethylether : Worker, long-term - systemic effects, inhalation : 310 mg/m<sup>3</sup>
  - Dipropylenglycol monomethylether : Worker, long-term - systemic effects, dermal : 65 mg/kg bw/ day
  - Dipropylenglycol monomethylether : Consumer, long-term - systemic effects, inhalation : 37,2 mg/m<sup>3</sup>
  - Dipropylenglycol monomethylether : Consumer, long-term - systemic effects, dermal : 15 mg/kg bw/ day
  - Dipropylenglycol monomethylether : Consumer, long-term - systemic effects, oral : 1,67 mg/kg bw/ day
- \* PNECs :
  - Dipropylenglycol monomethylether : Fresh water : 19 mg/l
  - Dipropylenglycol monomethylether : Marine water : 1,9 mg/l
  - Dipropylenglycol monomethylether : Fresh water sediment : 70,2 mg/kg
  - Dipropylenglycol monomethylether : Marine water sediment : 7,02 mg/kg
  - Dipropylenglycol monomethylether : Soil : 2,74 mg/kg
  - Dipropylenglycol monomethylether : Intermittent release : 190 mg/l
  - Dipropylenglycol monomethylether : Sewage treatment plant : 4168 mg/l

**8.2. Exposure controls**

- \* Engineering Measures : Ventilation ( If possible through the floor ), Local exhaust .
- Personal Protection Equipment
- \* - Respiratory protection : CE-approved gas respirator .
- Skin protection : Suitable protective clothing .
- \* - Hand protection : Suitable material for safety gloves (EN 374): Butyl rubber , PVC.
- Eye/Face protection : Closed safety glasses or face shield.
- \* Environmental exposure controls : See sections 6, 7, 12 en 13.

**SECTION 9. Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

- Physical State (20°C) : Liquid .
- Form/Colour : Clear , Colourless .
- Odour : Ether-like odour .
- \* Odour threshold : No data available.
- pH value : No data available.
- \* Melting/Freezing point : app. -80 °C
- Boiling Point/Range (1013 hPa) : 180 - 190 °C
- \* Flash point : 75 °C
- Fire hazard : P3
- \* Evaporation rate : 0,01 ( n-Butyl acetate = 1)
- \* Explosion limits in air : 1,1 - 14 vol.%  
No data available.

**METHOXY PROPOXY PROPANOL****Code : 12119****SECTION 9. Physical and chemical properties (continued)**

- \* Vapour pressure (25°C) : 0,037 kPa
- Relative vapour density (air=1) : app. 5,1
- Relative density of saturated vapour/air mixture (air=1) : 1,00
- Relative density (water=1) : app. 0,95
- Solubility in water : Complete solubility .
- \* Soluble in : Organic solvents .
- Log P Octanol/Water at 25°C : 0,004
- Auto-ignition temperature : 205 °C
- \* Minimum ignition energy : No data available.
- \* Viscosity (25°C) : 4,55 mm<sup>2</sup>/s ( Kinematic )  
4 mPas ( Dynamic )
- \* Explosive properties : No chemical groups associated with explosive properties .
- \* Oxidizing properties : No chemical groups associated with oxidizing properties .

**9.2. Other information**

- \* Surface tension (20°C) : 68,7 mN/m
- Specific leading : 1\*10E11 pS/m
- \* % Volatiles (by weight) : 56,8
- Others : Hygroscopic .

**SECTION 10. Stability and reactivity****10.1. Reactivity**

- \* Reactivity : Reacts violently with oxidizing agents.

**10.2. Chemical stability**

Stability : May form peroxides.

**10.3. Possibility of hazardous reactions**

- \* Hazardous reactions : Attacks many metals with liberation hydrogen gas, which is flammable and forms explosive mixture with air.

**10.4. Conditions to avoid**

- \* Conditions to avoid : Humidity , Air or oxygen.

**10.5. Incompatible materials**

- \* Materials to avoid : Oxidizing agents , Aluminium , Several metals .

**10.6. Hazardous decomposition products**

- \* Hazardous Decomposition Products : Carbon oxides , Hydrogen gas .

**SECTION 11. Toxicological information****11.1. Information on toxicological effects**

Acute toxicity

- Inhalation : May cause irritation of respiratory tract.  
High concentrations may produce central nervous system depression and loss of consciousness (diminuation of consciousness).  
Symptoms include: Sore throat , Cough , Dizziness , Drowsiness , Headache .

**METHOXY PROPOXY PROPANOL**

**Code : 12119**

**SECTION 11. Toxicological information (continued)**

- Skin contact : May be slightly irritating for the skin.  
Symptoms include: Dry skin .  
• Dipropyleneglycol monomethylether : LD50 (Rabbit, dermal) : > 10000 mg/kg
- Eye contact : May be slightly irritating to eyes.  
Symptoms include: Redness , Pain , Tears .
- Ingestion : Symptoms include: Drowsiness , Headache , Weakness .  
• Dipropyleneglycol monomethylether : LD50 (Rat, oral) : > 5000 mg/kg
- \* Skin corrosion/irritation : Not irritant .
- \* Serious eye damage/irritation : Not irritant .
- \* Aspiration hazard : Not considered hazardous.
- \* Respiratory or skin sensitisation : Not sensitive .
- \* Carcinogenicity : Not listed as carcinogenic .
- \* Mutagenicity : Not listed as mutagenic .
- \* Reproductive toxicity : Not listed for reproductive toxicity .
- \* Specific target organ toxicity - single exposure : To human : Listed not for organ toxicity .  
For animals : No effects known.
- \* Specific target organ toxicity - repeated exposure : To human : Listed not for organ toxicity .  
For animals : Product may affect kidney and liver, resulting in slight abnormalities.

**SECTION 12. Ecological information**

**12.1. Toxicity**

- \* Ecotoxicity : • Dipropyleneglycol monomethylether : EC50 (Daphnia magna, 48 h) : > 100 mg/l  
• Dipropyleneglycol monomethylether : LC50 (Fish, 96 h) : > 10000 mg/l ( Pimephales promelas)  
• Dipropyleneglycol monomethylether : EC50 (Algae, 72 h) : > 100 mg/l

**12.2. Persistence and degradability**

- \* Persistence and degradability : • Dipropyleneglycol monomethylether : Persistence and degradability : Easily biodegradable .

**12.3. Bioaccumulative potential**

- \* Bioaccumulation : • Dipropyleneglycol monomethylether : Bioaccumulation : No indication of bioaccumulation.

**12.4. Mobility in soil**

- \* Mobility : • Dipropyleneglycol monomethylether : Mobility : Completely soluble in water .

**12.5. Results of PBT and vPvB assessment**

- \* Evaluation : • Dipropyleneglycol monomethylether : PBT/vPvB : No

**12.6. Other adverse effects**

- WGK class (DE) : 1 ( Weak water pollutant ).
- Water damaging (NL) : 11
- Decontamination exertion (NL) : B
- \* Photochemical ozone creation potential : No data available.
- \* Ozone depletion potential : No data available.
- \* Endocrine disrupting potential : No data available.
- \* Global warming potential : No data available.

**METHOXY PROPOXY PROPANOL****Code : 12119****SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Waste from residues/Unused products : The product has to be destroyed according to national or local legislation.

- \* European list of waste products : XXXXXX - European waste product code. This code is assigned on the basis of the most current applications and can not be representative for pollutions which are arisen at the effective use of the product. The producer of the waste has to evaluate its process himself and has to grant the appropriate waste coding. See Decision 2001/118/EC.

Removal contaminated packaging : Packing is to be used exclusively for the packing of this product. After use, empty and close the packing very carefully. In case of returned packing, the empty packing can be offered back to the supplier.

**SECTION 14. Transport information****14.1. UN number**

UN Number : -

**14.2. UN proper shipping name**

ADR Name : -

ADN Name : -

IMDG Name : -

**14.3. Transport hazard classe(s)**

Class : -

**14.4. Packing group**

Packaging Group : -

**14.5. Environmental hazards**

Environmentally hazard : No

Marine pollutant : No

**14.6. Special precautions for user**

Danger number : -

Hazard Label(s) : -

EmS-N° : -

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

- \* Type ship : No data available.  
\* Pollution category : No data available.

**SECTION 15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Inventories : Australian inventory (AICS): Listed in inventory.  
Canadian inventory (DSL): Listed in inventory.  
Chinese inventory (IECS): Listed in inventory.  
European inventory (EINECS): Listed in inventory.  
Japanese inventory (ENCS): Listed in inventory.  
Korean inventory (KECI): Listed in inventory.  
Philippine inventory (PICCS): Listed in inventory.  
Inventory of the United States (TSCA): Listed in inventory.

**METHOXY PROPOXY PROPANOL**

**Code : 12119**

**SECTION 15. Regulatory information (continued)**

- NFPA n° : 0-2-0
- \* Relevant EU Rule(s) : Directive 1999/13/EC of the Council of 11 March 1999 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain activities and installations  
 Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC  
 Decision 2001/118/EC of the Commission of 16 January 2001 amending Decision 2000/532/EC as regards the list of wastes  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006  
 Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (Reach)

**15.2. Chemical Safety Assessment**

- \* At this time we do not yet have information on a chemical safety assessment.

**SECTION 16. Other information**

- \* This safety data sheet has been drawn up in accordance with Regulation (EU) No 453/2010. This safety data sheet is exclusively made for industrial/professional use.
- \* Has changed compared to previous revision.
- Changes : General revision
- \* Sources of used key data : The information contained herein is based on the present state of our knowledge ( Producer(s) , Chemical cards , ...).  
 See also on the webaddress:  
<http://apps.echa.europa.eu/registered/registered-sub.aspx#search>
- \* List of abbreviations and acronyms : ADN (Accord européen relatif au transport international des marchandises Dangereuses par voie de Navigation interieur) : European agreement concerning the international carriage of dangerous goods by inland waterways  
 ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route) : European agreement concerning the international carriage of dangerous goods by road  
 CO : Carbon monoxide  
 DNEL (Derived No Effect Level) : an estimated safe exposure level  
 EmS (Emergency Schedule) : the first code refers to the relevant fire schedule and the second code refers to the relevant spillage schedule  
 IMDG (International Maritime Dangerous Goods code)  
 NFPA (National Fire Protection Association) or fire diamant  
 NVCI : National Poisoning Information Center  
 PBT : persistent, bioaccumulative and toxic  
 PNEC (Predicted No Effect Concentration) : concentration below which exposure to a substance is not expected to cause adverse effects  
 REACH : Registration, Evaluation, Authorisation and restriction of Chemicals  
 TWA (Time-Weighted Average) : the average exposure over a specified period  
 vPvB : very persistent and very bioaccumulative  
 WGK (Wassergefährdungsklasse) : a German classification of substances that indicate the environmental hazard for surface water





**MATERIAL SAFETY DATA SHEET**

Page : 9 / 9
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<b>Code : 12119</b>

**METHOXY PROPOXY PROPANOL**

This information is to our knowledge correct and complete on the date of issue of this safety data sheet. The information only concerns the product and does not give any guarantee for the quality and the completeness of the properties of the product, or in case of mixing or using in any other process. It remains the responsibility of the user to assure himself that the information is suitable and complete concerning the special use he makes of the product.  
BRENNTAG denies all responsibility for loss or damage resulting from the use of these data.

**End of document**

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activities	Distribution and export of chemicals and raw materials	
VAT number	BE0405317567	NL001375945B01
recall procedure available	Yes	
emergency number (24/365)	+32 (0)56 77 69 44	+31 (0)78 6544 944
<b>QUALITY SYSTEMS</b>		
ISO 9001	Yes	Yes
ISO 14001	Yes	Yes
ISO 22000	Yes	Yes
FSSC 22000	Yes	Yes
GMP+ -feed	Yes	Yes
OHSAS18001	-	Yes
ESAD	Yes	Yes
other	-	AEO