



We create chemistry

Safety Data Sheet

Solvenon® DPM

Revision date : 2025/10/15

Version: 1.0

Page: 1/11

(30034801/SDS_GEN_CA/EN)

1. Identification

Product identifier used on the label

Solvenon® DPM

Recommended use of the chemical and restriction on use

Recommended use*: Chemical

Recommended use*: for industrial use only

Unsuitable for use: Not intended for sale to or use by the general public.

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF Canada Inc.
5025 Creekbank Road
Building A, Floor 2
Mississauga, ON, L4W 0B6, CANADA

Telephone: +1 289 360-1300

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: (800) 454-COPE (2673)

Other means of identification

Chemical family: Preparation based on: alcohols

2. Hazards Identification

According to Hazardous Products Regulations (HPR) (SOR/2022-272)

Classification of the product

Flam. Liq.

4

Flammable liquids

Label elements

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 2/11
(30034801/SDS_GEN_CA/EN)

Signal Word:
Warning

Hazard Statement:
H227 Combustible liquid.

Precautionary Statements (Prevention):
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves and eye protection or face protection.

Precautionary Statements (Response):
P370 + P378 In case of fire: Use alcohol-resistant foam, carbon dioxide, dry powder or water spray for extinction.

Precautionary Statements (Storage):
P403 Store in a well-ventilated place.

Precautionary Statements (Disposal):
P501 Dispose of contents and container to hazardous or special waste collection point.

Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture. See section 12 - Results of PBT and vPvB assessment.

3. Composition / Information on Ingredients

According to Hazardous Products Regulations (HPR) (SOR/2022-272)

dipropylene glycol monomethylether
CAS Number: 34590-94-8
Content (W/W): >= 98.0 - <= 100.0%
Synonym: Dipropylene glycol monomethyl ether

4. First-Aid Measures

Description of first aid measures

General advice:
Remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air.

If on skin:
Wash thoroughly with soap and water

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 3/11
(30034801/SDS_GEN_CA/EN)

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed

Symptoms: No data available.

Hazards: No applicable information available.

(Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Suitable extinguishing media:

dry powder, water spray, carbon dioxide, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water jet

Additional information:

Use extinguishing measures to suit surroundings.

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

Flammable liquid Cool endangered containers with water-spray. See SDS section 7 - Handling and storage.

Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus. Special protective equipment for firefighters

Further information:

Evacuate area of all unnecessary personnel. Fight fire from maximum distance.

Extend fire extinguishing measures to the surroundings. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

Impact Sensitivity:

Remarks: Based on the chemical structure there is no shock-sensitivity.

6. Accidental release measures

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 4/11
(30034801/SDS_GEN_CA/EN)

Release of substance/product can cause fire or explosion. Shut off or stop source of leak. Shut off or stop released substance/product under safe conditions.

Pack in tightly closed containers for disposal.

Personal precautions, protective equipment and emergency procedures

Handle in accordance with good industrial hygiene and safety practice.

Avoid all sources of ignition: heat, sparks, open flame. Use antistatic tools.

Environmental precautions

Discharge into the environment must be avoided.

Methods and material for containment and cleaning up

Pick up with suitable appliance and dispose of. Spills should be contained, solidified, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Protection against fire and explosion:

Avoid all sources of ignition: heat, sparks, open flame. Ground all transfer equipment properly to prevent electrostatic discharge.

Conditions for safe storage, including any incompatibilities

No applicable information available.

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

dipropylene glycol	ACGIH, US:	STEL value 150 ppm ;
monomethylether	ACGIH, US:	TWA value 100 ppm ;
	OSHA Z1:	PEL 100 ppm 600 mg/m3 ;
	OSHA Z1:	Skin Designation ; The substance can be absorbed through the skin.
	ACGIH, US:	Skin Designation ; Danger of cutaneous absorption
	ACGIH, US:	Skin Designation ; Danger of cutaneous absorption
	ACGIH, US:	STEL value 100 ppm ;
	ACGIH, US:	TWA value 50 ppm ;

Advice on system design:

Ensure adequate ventilation.

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 5/11
(30034801/SDS_GEN_CA/EN)

Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Wear chemical resistant protective gloves.

Eye protection:

Tightly fitting safety goggles (chemical goggles).

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is required additionally to the stated personal protection equipment.

9. Physical and Chemical Properties

Physical state:	liquid	
Form:	liquid	
Odour:	ether-like mild	
Odour threshold:	not determined	
Colour:	colourless	
pH value:	neutral	
Melting point:	-80 °C	
Boiling range:	180 - 190 °C (1,013 mbar)	(DIN 53171)
Sublimation point:	No applicable information available.	
Flash point:	75 °C	(closed cup)
Flammability:	not readily ignited	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	207 °C	(Directive 92/69/EEC, A.15)
Vapour pressure:	0.7 mbar (20 °C) 2.6 mbar (40 °C)	
Density:	0.95 g/cm3 (20 °C)	(DIN 51757)
Relative density:	0.95 (20 °C)	
Relative vapour density:	5.11 (20 °C) Heavier than air.	(calculated)

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 6/11
(30034801/SDS_GEN_CA/EN)

Partitioning coefficient n-octanol/water (log Pow):	0.004 (25 °C)	(OECD Guideline 107)
Self-ignition temperature:	20 °C	
Thermal decomposition:	not self-igniting No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	4.32 mPa.s (20 °C)	(OECD Guideline 114)
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	(20 °C) miscible	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	soluble solvent(s): organic solvents,	
Molecular weight:	148.20 g/mol	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	

Particle characteristics

Particle size distribution: The substance / product is marketed or used in a non solid or granular form.

10. Stability and Reactivity

Reactivity

When heated can give off ignitable vapours.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

Formation of

Remarks:

flammable gases:

Forms no flammable gases in the presence of water.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

Reacts with strong oxidizing agents.

Conditions to avoid

No special precautions other than good housekeeping of chemicals.

Incompatible materials

strong oxidizing agents

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 7/11
(30034801/SDS_GEN_CA/EN)

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. The inhalation of a highly enriched/saturated vapor-air-mixture represents an unlikely acute hazard.

Oral

Type of value: LD50
Species: rat
Value: > 5,000 mg/kg

Inhalation

Species: rat
Value: (IRT)
Exposure time: 7 h
The vapour was tested.
No mortality within the stated exposition time as shown in animal studies.

Dermal

Type of value: LD50
Species: rabbit
Value: > 19,020 mg/kg

Assessment other acute effects

Assessment of STOT single:
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Irritation / corrosion

Assessment of irritating effects: Not irritating to the skin. Not irritating to the eyes.

Skin

Species: rabbit
Result: non-irritant
Method: BASF-Test

Eye

Species: rabbit
Result: non-irritant
Method: Draize test

Sensitization

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 8/11
(30034801/SDS_GEN_CA/EN)

Assessment of sensitization: The substance did not cause skin sensitization in humans.

Aspiration Hazard
not applicable

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects. May affect the liver and kidneys as indicated in animal studies.

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. In long-term animal studies in which the substance was given by inhalation in high concentrations, a carcinogenic effect was not observed. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Teratogenicity

Assessment of teratogenicity: No indications of a developmental toxic / teratogenic effect were seen in animal studies.

12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Toxicity to fish

LC50 (96 h) > 1,000 mg/l, Poecilia reticulata (OECD 203; ISO 7346; 84/449/EWG, C.1, static)
The details of the toxic effect relate to the nominal concentration.

Aquatic invertebrates

LC50 (48 h) 1,919 mg/l, Daphnia magna (OPP 72-2 (EPA-guideline), static)
The details of the toxic effect relate to the nominal concentration.

Aquatic plants

EC50 (96 h) > 969 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)
The statement of the toxic effect relates to the analytically determined concentration.

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 9/11
(30034801/SDS_GEN_CA/EN)

Chronic toxicity to fish

Study does not need to be conducted.

Chronic toxicity to aquatic invertebrates

No observed effect concentration (22 d) > 0.5 mg/l, Daphnia magna (OECD Guideline 211, Flow through.)

The details of the toxic effect relate to the nominal concentration. No effects at the highest test concentration.

Assessment of terrestrial toxicity

No toxic effects have been observed in studies with terrestrial plants.

Soil living organisms

Toxicity to soil dwelling organisms:

Study does not need to be conducted.

Toxicity to terrestrial plants

No observed effect concentration 250 g/l, (OECD Guideline 227)

Other terrestrial non-mammals

Study does not need to be conducted.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

DIN 38412 Part 8 aquatic

bacterium/EC10 (18 h): 4,168 mg/l

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

Readily biodegradable (according to OECD criteria). Easily eliminated from water.

Elimination information

96 % DOC reduction (28 d) (OECD 301F; ISO 9408; 92/69/EWG, C.4-D) (aerobic, activated sludge, domestic)

94 % DOC reduction (13 d) (OECD Guideline 302 B) (aerobic, activated sludge, industrial)

Assessment of stability in water

Study does not need to be conducted.

Bioaccumulative potential

Assessment bioaccumulation potential

Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments

Study does not need to be conducted.

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15
Version: 1.0

Page: 10/11
(30034801/SDS_GEN_CA/EN)

Additional information

Adsorbable organically-bound halogen(AOX):
This product contains no organically-bound halogen.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations.

Container disposal:

Disposal must be made according to official regulations.

14. Transport Information

Land transport

TDG

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical DSL, CA

DSL listed and/or otherwise compliant.

NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 0 Special:

Assessment of the hazard classes according to UN GHS criteria (most recent version):

Flam. Liq. 4 Flammable liquids

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2025/10/15

Safety Data Sheet

Solvenon® DPM

Revision date: 2025/10/15

Version: 1.0

Page: 11/11

(30034801/SDS_GEN_CA/EN)

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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Date / Previous version: not applicable

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Previous version: none

END OF DATA SHEET