

**Safety data sheet***according to Regulation (EC) No 1907/2006, Article 31*

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Trade name:** HPLC Methanol**CAS Number:**

67-56-1

EC number:

200-659-6

Index number:

603-001-00-X

REACH registration number:

01-2119433307-44-0158

1.2 Relevant identified uses of the substance or mixture and uses advised against**Application of the substance / the preparation:**

Formulation & (re)packing of substances and mixtures

Manufacture of the substance

Use as an intermediate

Use as a raw material

Use as a process chemical

Use as fuel

Use in cleaning agents

Use as laboratory reagent/agent

Use as wastewater treatment chemical

Use in oilfield drilling and production operations

Use in de-icing and anti-icing agents

Use as fuel additive

1.3 Details of the supplier of the safety data sheet**Manufacturer/Supplier:**

Dor Chemicals Ltd.

P.O.B 10036 Haifa Israel 2624892

Tel: +972-4-8465043

Email: sales@dorchemicals.com

Web: www.dorchemicals.com

Further information obtainable from:

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38025 Grenoble, FRANCE

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1.4 Emergency telephone number(s):

Dor Chemicals Ltd. +972-4-8465043, available 24/7.

Ireland - National Poisons Information Centre: 01 837 9964 or 01 809 2566 (healthcare professionals only).

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Acute Tox. 3 H301 Toxic if swallowed.

Acute Tox. 3 H311 Toxic in contact with skin.

Acute Tox. 3 H331 Toxic if inhaled.

STOT SE 1 H370 Causes damage to organs.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol

Additional information:

The full text of the classification and labelling elements mentioned is given in Section 16.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS02 GHS06 GHS08

Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapour.
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
H370 Causes damage to organs.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray. P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P330 Rinse mouth.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P361+P364 Take off immediately all contaminated clothing and wash it before reuse. P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: No PBT.

vPvB: No vPvB.

Determination of endocrine-disrupting properties

The product does not contain substances with endocrine disrupting properties.

SECTION 3: Composition/information on ingredients

3.1 Substances

CAS Number. Description.

67-56-1 Methanol

Identification number(s) EC

number: 200-659-6

Index number: 603-001-00-X

Additional information: Purity: ≥99.85% (w/w)

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol

Specific concentration limits

STOT SE 1; H370: C ≥ 10%

STOT SE 2; H371: 3 % ≤ C < 10%

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the accident.

After inhalation:

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If in doubt, get medical attention promptly.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.
Seek medical treatment.

After eye contact:

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention.

After swallowing:

Rinse out mouth and then drink plenty of water.
Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: overexposure may cause headache, dizziness, respiratory disorders, nausea, acidosis, coma, blindness, further symptoms are possible.

Hazards: Risk of respiratory disorders. Risk of blindness.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: water spray, dry powder, carbon dioxide, alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

Vapours may form explosive mixtures with air.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.
Wear fully protective suit.

Additional information:

Use water spray to keep fire-exposed containers cool.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep unprotected persons away.
Avoid breathing vapours
Avoid contact with skin and eyes.
Ensure adequate ventilation.
Eliminate all sources of ignition, including sparks and static electricity.

6.2 Environmental precautions

Suppress gases/vapours/mists with water spray jet.
Avoid release into the environment.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up

For small amounts: Contain with absorbent material (e.g. sand, silica gel, acid binder, general purpose binder, sawdust).

For large amounts: Pump off product.

Cleaning operations should be carried out only while wearing breathing apparatus.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Handle in accordance with good industrial hygiene and appropriate safety measures.

Avoid breathing vapours.

Avoid contact with the eyes and skin.

Information about fire - and explosion protection:

Keep away from flames or sparks and other possible sources of ignition.

Prevent build-up of electrostatic charges (e.g., by grounding).

Use explosion-proof apparatus / fittings and spark-proof tools.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in a dry, cool and well-ventilated area.

Keep container tightly closed.

Information about storage in one common storage facility: Not required

7.3 Specific end use(s):

No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

67-56-1 Methanol

OEL	Long-term value: 260 mg/m ³ , 200 ppm
	Skin, IOELV

DNELs

Oral	DNEL - Long-term exposure - systemic effects	4 mg/kg bw/day (General Population)
Dermal	DNEL - Long-term exposure - systemic effects	4 mg/kg bw/day (General Population)
		20 mg/kg bw/day (worker)
Inhalative	DNEL - Long-term exposure - systemic effects	26 mg/m ³ (General Population)
		130 mg/m ³ (worker)

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Ensure good ventilation/exhaustion at the workplace.

Ensure that washing facilities are available at the work place.

Avoid breathing vapours.

Avoid contact with the eyes and skin.

Take off contaminated clothing and wash it before reuse.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol

Hand protection



Chemical resistant protective gloves (EN 374)

Eye/face protection



Safety goggles (EN 166).

Body protection: Protective work clothing.

Environmental exposure controls

Avoid the release of the product into the environment. Comply with local and national law.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Colourless.

Odour:

Pungent, makes eyes water.

Odour threshold:

Not determined.

Melting point/freezing point:

-97.8°C

Boiling point or initial boiling point and boiling range

64.7°C

Flammability

Highly flammable.

Lower and upper explosion limit

Lower:

Not determined.

Upper:

Not determined.

Flash point:

9.7°C (1013 hPa)

Auto-ignition temperature:

455°C (1013 hPa)

Decomposition temperature:

Not determined.

pH

Not determined.

VOC (EC):

Dynamic at 25°C:

0.544- 0.59 mPas

Solubility

Water:

Miscible

Partition coefficient n-octanol/water (log value) at 20°C

-0.77 log POW

Vapour pressure at 25°C:

169.27 hPa

Density and/or relative density

Density:

Not determined.

Relative density at 20°C

0.79

Vapour density

Not determined.

9.2 Other information

Appearance:

Form:

Liquid.

Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures is possible.

Softening point/range

Oxidising properties

Not oxidising.

Evaporation rate

Not determined.

Information with regard to physical hazard classes

Explosives

Not applicable.

Flammable gases

Not applicable.

Aerosols

Not applicable.

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol

Oxidising gases	Not applicable.
Gases under pressure	Not applicable.
Flammable liquids	Highly flammable liquid and vapour.
Flammable solids	Not applicable.
Self-reactive substances and mixtures	Not applicable.
Pyrophoric liquids	Not applicable.
Pyrophoric solids	Not applicable.
Self-heating substances and mixtures	Not applicable.
Substances and mixtures, which emit flammable gases in contact with water	Not applicable.
Oxidising liquids	Not applicable.
Oxidising solids	Not applicable.
Organic peroxides	Not applicable.
Corrosive to metals	Not applicable.
Desensitised explosives	Not applicable.

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under normal conditions of use, storage, and transport.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Avoid all sources of ignition: heat, sparks, open flames.

10.5 Incompatible materials

Strong oxidizing agents.

Strong acids

Strong bases

10.6 Hazardous decomposition products

Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Toxic if swallowed, in contact with skin or if inhaled.

LD/LC50 values:

Oral	LD50	1,187 mg/Kg bw (Rat)
Inhalative	LC50/6h	43,700 mg/m ³ air (Cat)

Skin corrosion/irritation: not irritating, rabbit.

Serious eye damage/irritation: not irritating, rabbit

Respiratory or skin sensitisation: not sensitising, guinea pig, OECD 406

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Gene mutation (Bacterial reverse mutation assay / Ames test):

S. typhimurium negative except TA 102+S9 (ambiguous)
(OECD 471)

Gene mutation (Mammalian cell gene mutation assay): V79 negative, L5178Y+S9 positive (both comparable to OECD 476)

Chromosome aberration (in vitro micronucleus assay): V79 negative

DNA damage (Damage and repair assay in bacteria): E. coli positive

Genome mutation (Mitotic chromosomal segregation assay): A. nidullans positive

In vivo:

Chromosome aberration (Chromosomal aberration): primary lung cells negative

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol

Chromosome aberration (Micronucleus assay): erythrocytes negative (similar OECD 474), primary lung cells negative

Chromosome aberration (Synaptonemal complex): pachytene spermatocytes negative

Carcinogenicity:

Based on available data, the classification criteria are not met.

Inhalative NOAEC 1.3 mg/L (mouse) (OECD 453)

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure:

Causes damage to organs.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Reproductive toxicity:

Reproductive toxicity NOAEL values		
Inhalative	NOAEC(reproduction toxicity)	1.3 mg/L (Rat) (OECD 416)
	NOAEC(developmental toxicity)	1.33 mg/L (Rat) (OECD 414)

Additional toxicological information:

Repeated dose toxicity		
Oral	LOAEL	2,340 mg/kg bw/d (Rat)
Inhalative	NOAEC	0.013 mg/L (monkey)

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Substance is not listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:	
LC50/96h	15,400 mg/L (Fish) (EPA-660/3-75-009, 1975)
EC50/96h	22,000 mg/L (algae) (OECD 201)
	18,260 mg/L (Daphnia Magna) (OECD 202)
IC50/3h	>1,000 mg/L (Activated sludge) (OECD 209)

12.2 Persistence and degradability Readily biodegradable

12.3 Bioaccumulative potential Bioaccumulation is not expected due to log Kow.

12.4 Mobility in soil Adsorption to the solid soil phase is not expected.

12.5 Results of PBT and vPvB assessment

PBT: No PBT.

vPvB: No vPvB.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional environmental information:

General notes:

Water hazard class 1 (German Regulation) (Assessment by list): Slightly hazardous for water.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation: Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation:

Disposal must be made in accordance with official regulations.

Packaging that may not be cleansed must be disposed of in the same manner as the product.

Safety data sheet*according to Regulation (EC) No 1907/2006, Article 31*

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol**SECTION 14: Transport information****14.1 UN number or ID number**

ADR, IMDG, IATA

UN1230

14.2 UN proper shipping name

ADR

1230 METHANOL

IMDG, IATA

METHANOL

14.3 Transport hazard class(es)

ADR

Class
Label3 Flammable liquids.
3+6.1

IMDG

Class
Label3 Flammable liquids.
3/6.1

IATA

Class
Label3 Flammable liquids.
3 (6.1)**14.4 Packing group**

ADR, IMDG, IATA

II

14.5 Environmental hazards

Marine pollutant:

No

14.6 Special precautions for user

Hazard identification number (Kemler code):

Warning: Flammable liquids.

EMS Number:

336

F-E,S-D

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Transport/Additional information:

ADR

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

D/E

Tunnel restriction code:

IMDG

Limited quantities (LQ)

1L

Excepted quantities (EQ)

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 13.08.2026

Version number 1

Revision: 13.08.2026

Trade name: HPLC Methanol

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended (including amendments introduced by Regulation (EU) 2020/878).

Directive 2012/18/EU

Named dangerous substances - ANNEX I Substance is listed.

Qualifying quantity (tonnes) for the application of lower-tier requirements 500 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 5,000 t

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40, 69, 75

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Substance is not listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Substance is not listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS Substance is not listed.

Regulation (EC) No 273/2004 on drug precursors Substance is not listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

Substance is not listed.

15.2 Chemical safety assessment A Chemical Safety Assessment has been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

WEL: Workplace Exposure Limits

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1