



# Safety Data Sheet

According to OSHA HazCom Standard [2024]

Date of issue: 08/13/2026

Version 1

Reviewed on 08/13/2026

**Trade name:** Methanol

## 1 Identification

### Product identifier

**Trade name:** Methanol**CAS Number:** 67-56-1**Other means of identification:** Methyl alcohol

### Application of the substance / the preparation:

Formulation &amp; (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

### 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:

B-Lands Consulting

5 Place Robert Schuman, BP 1516

38025 Grenoble, FRANCE

Tel: +33 476 295 869

Fax: +33 476 295 870

Email: clients@reachteam.eu www.reachteam.eu

#### Emergency telephone number(s):

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

## 2 Hazard(s) identification

### Classification of the substance or mixture

Flammable liquids 2 H225 Highly flammable liquid and vapor.

Acute toxicity - oral 3 H301 Toxic if swallowed.

Acute toxicity - dermal 3 H311 Toxic in contact with skin.

Acute toxicity - inhalation 3 H331 Toxic if inhaled.

Specific target organ toxicity (single exposure) 1 H370 Causes damage to organs.

### Additional information:

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

### Label elements

#### GHS label elements

The substance is classified and labeled according to the Globally Harmonized System (GHS).

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## Hazard pictograms



GHS02 GHS06 GHS08

## Signal word Danger

### Hazard statements

H225 Highly flammable liquid and vapor.  
 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/vapors/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.

### Additional Information:

#### Information pertaining to particular dangers for man and environment:

#### Classification system:

#### NFPA ratings (scale 0 - 4)



Health = 2  
 Fire = 3  
 Reactivity = 0

#### HMIS-ratings (scale 0 - 4)



Health = \*2  
 Fire = 3  
 Reactivity = 0

### Other hazards

#### Results of PBT and vPvB assessment

PBT: No PBT.

vPvB: No vPvB.

## 3 Composition/information on ingredients

### Chemical characterization: Substances

#### CAS No. Description

67-56-1 Methanol

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**Trade name:** Methanol**Additional information:** Purity: ≥99.85% (w/w)

## 4 First-aid measures

### 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.

**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.

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

Treat symptomatically.

## 5 Fire-fighting measures

**Extinguishing media**

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

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

Vapors may form explosive mixtures with air.

**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 firefighting water separately. It must not enter the sewage system.

## 6 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Avoid breathing vapors

Avoid contact with skin and eyes.

Ensure adequate ventilation

Eliminate all sources of ignition, including sparks and static electricity.

**Environmental precautions:**

Suppress gases/vapors/mists with water spray jet. Avoid

release into the environment.

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

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**Trade name:** Methanol**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.

**Special spill response procedures:****Protective Action Criteria for Chemicals****PAC-1:** 530 ppm**PAC-2:** 2100 ppm**PAC-3:** 7200 ppm**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.

## 7 Handling and storage

**Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

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

Avoid breathing vapors.

Avoid contact with the eyes and skin.

**Information about protection against explosions and fires:**

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.

**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 receptacle tightly sealed.

**Information about storage in one common storage facility:** Not required

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Control parameters****Components with limit values that require monitoring at the workplace:****67-56-1 Methanol**

|     |                                                   |
|-----|---------------------------------------------------|
| PEL | Long-term value: 260 mg/m <sup>3</sup> , 200 ppm  |
| REL | Short-term value: 325 mg/m <sup>3</sup> , 250 ppm |
|     | Long-term value: 260 mg/m <sup>3</sup> , 200 ppm  |
|     | Skin                                              |
| TLV | Short-term value: 328 mg/m <sup>3</sup> , 250 ppm |
|     | Long-term value: 262 mg/m <sup>3</sup> , 200 ppm  |
|     | Skin; BEI-C                                       |

**Ingredients with biological limit values:****67-56-1 Methanol**

|     |                                               |
|-----|-----------------------------------------------|
| BEI | 15 mg/L                                       |
|     | Medium: urine                                 |
|     | Time: end of shift                            |
|     | Parameter: Methanol (background, nonspecific) |

**Additional information:** The lists that were valid during the creation were used as basis.

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**Trade name:** Methanol**Exposure controls****Personal protective equipment****General protective and hygienic measures:**

Ensure good ventilation/exhaustion at the workplace.  
 Ensure that washing facilities are available at the workplace.  
 Avoid breathing vapors.  
 Avoid contact with the eyes and skin.  
 Take off contaminated clothing and wash it before reuse.

**Breathing equipment:** Use suitable respiratory protective device in case of insufficient ventilation.**Protection of hands:**

Chemical resistant protective gloves (EN 374)

**Eye protection:**

Tightly sealed goggles

**Body protection:** Protective work clothing**Limitation and supervision of exposure into the environment**

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

**9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Physical state**

Liquid

**Color:**

Colorless.

**Odor:**

Pungent, makes eyes water

**Odor threshold:**

Not determined

**Melting point/Melting range:**

-97.8 °C (-144 °F)

**Boiling point/Boiling range:**

64.7 °C (148.5 °F)

**Flammability:**

Highly flammable.

**Explosion limits:****Lower:**

Not determined

**Upper:**

Not determined

**Flash point:**

9.7 °C (49.5 °F) (1013 hPa)

**Auto-ignition temperature:**

455 °C (851 °F) (1013 hPa)

**Decomposition temperature:**

Not determined

**pH-value:**

Not determined

**Viscosity:****Kinematic:**

Not determined

**Dynamic at 25 °C (77 °F):**

0.544- 0.59 mPas

**Solubility in / Miscibility with****Water:**

Miscible

**Partition coefficient (n-octanol/water) at 20 °C (68 °F):**

-0.77 log POW

**Vapor pressure at 25 °C (77 °F):**

169.27 hPa (127 mm Hg)

**Vapor pressure:****Density:**

Not determined

**Relative density at 20 °C (68 °F)**

0.79

**Vapor density**

Not determined

**Particle characteristics**

Not applicable

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**Trade name:** Methanol**Other information****Appearance:****Form:**

Liquid.

**Danger of explosion:**

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

**Flammability Limits:****Lower:**

Not Determined.

**Upper:**

Not Determined.

**Oxidizing properties**

Not oxidizing.

**Evaporation rate**

Not determined

**10 Stability and reactivity****Reactivity** Stable under normal conditions of use, storage, and transport.**Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions:**

No dangerous reactions known.

**Conditions to avoid:**

Avoid all sources of ignition: heat, sparks, open flames.

**Incompatible materials:**

Strong oxidizing agents.

Strong acids

Strong bases

**Hazardous decomposition products:**

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

**11 Toxicological information****Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:**

|            |         |                                    |
|------------|---------|------------------------------------|
| Oral       | LD50    | 1,187 mg/kg bw (Rat)               |
| Inhalation | LC50/6h | 43,700 mg/m <sup>3</sup> air (Cat) |

**Primary irritant effect:****on the skin:** not irritating, rabbit.**on the eye:** not irritating, rabbit**Sensitization:** not sensitizing, guinea pig, OECD 406**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity NOAEL values**

|            |                               |                            |
|------------|-------------------------------|----------------------------|
| Inhalation | NOAEC (reproduction toxicity) | 1.3 mg/L (Rat) (OECD 416)  |
|            | NOAEC(developmental toxicity) | 1.33 mg/L (Rat) (OECD 414) |

**Additional toxicological information:****Carcinogenic categories****IARC (International Agency for Research on Cancer)** Substance is not listed.**NTP (National Toxicology Program)** Substance is not listed.**OSHA-Ca (Occupational Safety & Health Administration)** Substance is not listed.**12 Ecological information****Toxicity****Aquatic toxicity:**

|          |                                             |
|----------|---------------------------------------------|
| LC50/96h | 15,400 mg/L (Fish) (EPA-660/3-75-009, 1975) |
|----------|---------------------------------------------|

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|          |                                           |
|----------|-------------------------------------------|
| 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) |

**Persistence and degradability** Easily biodegradable**Bioaccumulative potential** Bioaccumulation is not expected due to log Kow.**Mobility in soil** Adsorption to the solid soil phase is not expected.**Results of PBT and vPvB assessment****PBT:** No PBT.**vPvB:** No vPvB.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:** Do not allow product to reach sewage system.**Uncleaned packaging:****Recommendation:**

Disposal must be made according to official regulations.

Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

**14 Transport information****UN-Number**

DOT, ADR, IMDG, IATA

UN1230

**UN proper shipping name**

DOT

Methanol

ADR

1230 METHANOL

IMDG, IATA

METHANOL

**Transport hazard class(es)**

DOT

**Class  
Label**3 Flammable liquids  
3, 6.1

ADR

**Class  
Label**3 Flammable liquids  
3+6.1

IMDG

**Class**

3 Flammable liquids

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**Trade name:** Methanol**Label**

3/6.1

**IATA****Class  
Label**3 Flammable liquids  
3 (6.1)**Packing group  
DOT, ADR, IMDG, IATA**

II

**Environmental hazards:  
Marine pollutant:**

No

**Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code**

Not applicable

**Transport/Additional information:****DOT****Hazardous substance:**

5000 lbs, 2270 kg

**ADR****Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

**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

**Special precautions for user**

Warning: Flammable liquids

**Hazard identification number (Kemler code):**

336

**EMS Number:**

F-E,S-D

## 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture****SARA****Section 355 (extremely hazardous substances):** Substance is not listed.**Section 313 (Specific toxic chemical listings):** Substance is listed.**USA - TSCA (Toxic Substances Control Act):** ACTIVE**Hazardous Air Pollutants** Substance is listed.**Proposition 65****Chemicals known to cause cancer:** Substance is not listed.**Chemicals known to cause reproductive toxicity for females:** Substance is not listed.**Chemicals known to cause reproductive toxicity for males:** Substance is not listed.**Chemicals known to cause developmental toxicity:** Substance is listed.**Carcinogenic categories****EPA (Environmental Protection Agency)** Substance is not listed.**TLV (Threshold Limit Value)** Substance is not listed.**NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.**GHS label elements**

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**Trade name:** Methanol**Hazard pictograms**

GHS02 GHS06 GHS08

**Signal word** Danger**Hazard statements**

H225 Highly flammable liquid and vapor.  
 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/vapors/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.

**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:**

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  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 BEI: Biological Exposure Limit  
 Flammable liquids 2: Flammable liquids – Category 2  
 Acute toxicity - oral 3: Acute toxicity – Category 3  
 Specific target organ toxicity (single exposure) 1: Specific target organ toxicity (single exposure) – Category 1