

# SAFETY DATA SHEET

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

<b>Name of the substance</b>	Methanol
<b>Identification number</b>	603-001-00-X (Index number)
<b>Synonyms</b>	None.
<b>Document number</b>	MKE-0265
<b>Issue date</b>	21-July-2017
<b>Version number</b>	01

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

<b>Identified uses</b>	Not available.
<b>Uses advised against</b>	None known.

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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The substance has been assessed and/or tested for its physical, health and environmental hazards and the following classifier applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Physical hazards

Flammable liquids	Category 2	H225 - Highly flammable liquid and vapour.
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##### Health hazards

Acute toxicity, oral	Category 3	H301 - Toxic if swallowed.
Acute toxicity, dermal	Category 3	H311 - Toxic in contact with skin.
Acute toxicity, inhalation	Category 3	H331 - Toxic if inhaled.
Specific target organ toxicity - single exposure	Category 1	H370 - Causes damage to organs.

#### Hazard summary

May be ignited by heat, sparks or flames. Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed. Causes damage to organs. Occupational exposure to the substance or mixture may cause adverse health effects. The material as sold in solid form is generally not considered hazardous. However, if the process involves grinding, melting, cutting or any other process that causes a release of dust or fumes, hazardous levels of airborne particulate could be generated.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Methanol

#### Hazard pictograms



**Signal word** Danger

#### Hazard statements

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

#### Precautionary statements

##### Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.

P260	Do not breathe mist or vapour.
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.
P280	Wear protective gloves/eye protection/face protection.

#### Response

P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
P330	Rinse mouth.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P311	Call a POISON CENTRE/doctor.
P361 + P364	Take off immediately all contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.

#### Storage

P235	Keep cool.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

#### Disposal

P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
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#### Supplemental label information

100 % of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 100 % of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. For further information, please contact the Product Stewardship Department at +1.800.862.4118.

#### 2.3. Other hazards

Not a PBT or vPvB substance or mixture.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

##### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Methanol	100	67-56-1 200-659-6	-	603-001-00-X	#
<b>Classification:</b>	Flam. Liq. 2;H225, Acute Tox. 3;H301, Acute Tox. 3;H311, Acute Tox. 3;H331, STOT SE 1;H370				

#### List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

#### Composition comments

The full text for all H-statements is displayed in section 16.

### SECTION 4: First aid measures

#### General information

Take off immediately all contaminated clothing. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

#### 4.1. Description of first aid measures

##### Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a POISON CENTRE or doctor/physician.

##### Skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.

##### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

## Ingestion

Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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

Headache. Dizziness. Nausea, vomiting. Direct contact with eyes may cause temporary irritation.

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

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

### General fire hazards

Highly flammable liquid and vapour.

### 5.1. Extinguishing media

#### Suitable extinguishing media

Water fog. Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

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

Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.

### 5.3. Advice for firefighters

#### Special protective equipment for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Special firefighting procedures

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

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

#### For non-emergency personnel

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

#### For emergency responders

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.

### 6.2. Environmental precautions

Avoid discharge into drains, water courses or onto the ground.

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

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

### 6.4. Reference to other sections

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapour. Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

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

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Material	Type	Value
Methanol (CAS 67-56-1)	MAK	260 mg/m <sup>3</sup>
		200 ppm
	STEL	1040 mg/m <sup>3</sup>
		800 ppm

##### Belgium. Exposure Limit Values.

Material	Type	Value
Methanol (CAS 67-56-1)	STEL	333 mg/m <sup>3</sup>
		250 ppm
	TWA	266 mg/m <sup>3</sup>
		200 ppm

##### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup>
		200 ppm

##### Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Material	Type	Value
Methanol (CAS 67-56-1)	MAC	260 mg/m <sup>3</sup>
		200 ppm

##### Czech Republic. OELs. Government Decree 361

Material	Type	Value
Methanol (CAS 67-56-1)	Ceiling	1000 mg/m <sup>3</sup>
	TWA	250 mg/m <sup>3</sup>

##### Denmark. Exposure Limit Values

Material	Type	Value
Methanol (CAS 67-56-1)	TLV	260 mg/m <sup>3</sup>
		200 ppm

##### Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Material	Type	Value
Methanol (CAS 67-56-1)	STEL	350 mg/m <sup>3</sup>
		250 ppm
	TWA	250 mg/m <sup>3</sup>
		200 ppm

##### Finland. Workplace Exposure Limits

Material	Type	Value
Methanol (CAS 67-56-1)	STEL	330 mg/m <sup>3</sup>
		250 ppm

**Finland. Workplace Exposure Limits**

Material	Type	Value
	TWA	270 mg/m <sup>3</sup> 200 ppm

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

Material	Type	Value
Methanol (CAS 67-56-1)	VLE	1300 mg/m <sup>3</sup> 1000 ppm
	VME	260 mg/m <sup>3</sup> 200 ppm

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	270 mg/m <sup>3</sup> 200 ppm

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Material	Type	Value
Methanol (CAS 67-56-1)	AGW	270 mg/m <sup>3</sup> 200 ppm

**Greece. OELs (Decree No. 90/1999, as amended)**

Material	Type	Value
Methanol (CAS 67-56-1)	STEL	325 mg/m <sup>3</sup> 250 ppm
	TWA	260 mg/m <sup>3</sup> 200 ppm

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup>

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup> 200 ppm

**Ireland. Occupational Exposure Limits**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup> 200 ppm

**Italy. Occupational Exposure Limits**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup> 200 ppm

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup> 200 ppm

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup> 200 ppm

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup> 200 ppm

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TWA	260 mg/m3 200 ppm

**Netherlands. OELs (binding)**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TWA	133 mg/m3

**Norway. Administrative Norms for Contaminants in the Workplace**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TLV	130 mg/m3 100 ppm

**Poland. MACs. Regulation regarding maximum permissible concentrations and intensities of harmful factors in the work environment, Annex 1**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	STEL	300 mg/m3
	TWA	100 mg/m3

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TWA	260 mg/m3 200 ppm

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	STEL	250 ppm
	TWA	200 ppm

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TWA	260 mg/m3 200 ppm

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TWA	260 mg/m3 200 ppm

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TWA	260 mg/m3 200 ppm

**Spain. Occupational Exposure Limits**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	TWA	266 mg/m3 200 ppm

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	STEL	350 mg/m3 250 ppm
	TWA	250 mg/m3 200 ppm

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

<b>Material</b>	<b>Type</b>	<b>Value</b>
Methanol (CAS 67-56-1)	STEL	1040 mg/m3 800 ppm
	TWA	260 mg/m3 200 ppm

**UK. EH40 Workplace Exposure Limits (WELs)**

Material	Type	Value
Methanol (CAS 67-56-1)	STEL	333 mg/m <sup>3</sup>
		250 ppm
	TWA	266 mg/m <sup>3</sup>
		200 ppm

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU**

Material	Type	Value
Methanol (CAS 67-56-1)	TWA	260 mg/m <sup>3</sup>
		200 ppm

**Biological limit values****Croatia. BLV. Dangerous Substance Exposure Limit Values at Workplace, Annexes 4 (as amended)**

Material	Value	Determinant	Specimen	Sampling time
Methanol (CAS 67-56-1)	7 mg/g	Methanol	Creatinine in urine	*
	24,7 mmol/mol	Methanol	Creatinine in urine	*

\* - For sampling details, please see the source document.

**Czech Republic. Limit Values for Indicators of Biological Exposure Tests in Urine and Blood, Annex 2, Tables 1 and 2, Government Decree 432/2003 Sb.**

Material	Value	Determinant	Specimen	Sampling time
Methanol (CAS 67-56-1)	15 mg/l	Methanol	Urine	*
	0,47 mmol/l	Methanol	Urine	*

\* - For sampling details, please see the source document.

**France. Biological indicators of exposure (IBE) (National Institute for Research and Security (INRS, ND 2065)**

Material	Value	Determinant	Specimen	Sampling time
Methanol (CAS 67-56-1)	15 mg/l	Méthanol	Urine	*

\* - For sampling details, please see the source document.

**Germany. TRGS 903, BAT List (Biological Limit Values)**

Material	Value	Determinant	Specimen	Sampling time
Methanol (CAS 67-56-1)	30 mg/l	Methanol	Urine	*

\* - For sampling details, please see the source document.

**Slovakia. BLVs (Biological Limit Value). Regulation no. 355/2006 concerning protection of workers exposed to chemical agents, Annex 2**

Material	Value	Determinant	Specimen	Sampling time
Methanol (CAS 67-56-1)	20 mg/g	Methanol	Creatinine in urine	*
	30 mg/l	Methanol	Urine	*

\* - For sampling details, please see the source document.

**Spain. Biological Limit Values (VLBs), Occupational Exposure Limits for Chemical Agents, Table 4**

Material	Value	Determinant	Specimen	Sampling time
Methanol (CAS 67-56-1)	15 mg/l	Metanol	Urine	*

\* - For sampling details, please see the source document.

**Switzerland. BAT-Werte (Biological Limit Values in the Workplace as per SUVA)**

Material	Value	Determinant	Specimen	Sampling time
Methanol (CAS 67-56-1)	30 mg/l	Methanol	Urine	*

\* - For sampling details, please see the source document.

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**Exposure guidelines****EU Exposure Limit Values: Skin designation**

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

## 8.2. Exposure controls

### Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash fountain and emergency showers are recommended.

### Individual protection measures, such as personal protective equipment

#### General information

Wear chemical protective equipment that is specifically recommended by the manufacturer. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

#### Eye/face protection

Chemical respirator with organic vapour cartridge and full facepiece.

#### Skin protection

##### - Hand protection

Wear appropriate chemical resistant gloves.

##### - Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

#### Respiratory protection

Chemical respirator with organic vapour cartridge and full facepiece.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### Hygiene measures

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Environmental exposure controls

Environmental manager must be informed of all major releases.

## SECTION 9: Physical and chemical properties

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

#### Appearance

##### Physical state

Liquid.

##### Form

Liquid.

##### Colour

Not available.

#### Odour

Not available.

#### Odour threshold

Not available.

#### pH

Not available.

#### Melting point/freezing point

-97,8 °C (-144,04 °F)

#### Initial boiling point and boiling range

64,7 °C (148,46 °F) 101,325 kPa

#### Flash point

12,0 °C (53,6 °F) Closed cup

#### Evaporation rate

Not available.

#### Flammability (solid, gas)

Not applicable.

#### Upper/lower flammability or explosive limits

**Flammability limit - lower (%)** 7,3 %

**Flammability limit - upper (%)** 36 %

#### Vapour pressure

16,93 kPa at 25 °C

#### Vapour density

Not available.

#### Relative density

Not available.

#### Solubility(ies)

**Solubility (water)** miscible

#### Partition coefficient (n-octanol/water)

-0,77

#### Auto-ignition temperature

240 °C (464 °F)

#### Decomposition temperature

Not available.

#### Viscosity

Not available.

#### Explosive properties

Not explosive.



<b>Oxidising properties</b>	Not oxidising.
<b>9.2. Other information</b>	
<b>Density</b>	0,79 g/cm <sup>3</sup> estimated at 25 °C 0,81 g/cm <sup>3</sup> estimated at 0 °C
<b>Dynamic viscosity</b>	0,61 mPa.s
<b>Heat of combustion (NFPA 30B)</b>	19 kJ/g
<b>Kinematic viscosity</b>	0,7807 mm <sup>2</sup> /s estimated
<b>Molecular formula</b>	C-H4-O
<b>Molecular weight</b>	32,04 g/mol
<b>Percent volatile</b>	100 %
<b>Specific gravity</b>	0,79 at 25 °C 0,81 at 0 °C
<b>Surface tension</b>	22,61 mN/m (20 °C (68 °F))
<b>VOC</b>	100 %

## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>10.4. Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>10.5. Incompatible materials</b>	Strong oxidising agents.
<b>10.6. Hazardous decomposition products</b>	No hazardous decomposition products are known.

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

<b>Inhalation</b>	Toxic if inhaled. May cause damage to organs by inhalation.
<b>Skin contact</b>	Toxic in contact with skin.
<b>Eye contact</b>	Direct contact with eyes may cause temporary irritation.
<b>Ingestion</b>	Toxic if swallowed.

**Symptoms** Headache. Dizziness. Nausea, vomiting.

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	Toxic if inhaled. Toxic in contact with skin. Toxic if swallowed.
<b>Skin corrosion/irritation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Serious eye damage/eye irritation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Respiratory sensitisation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Skin sensitisation</b>	Due to partial or complete lack of data the classification is not possible.
<b>Germ cell mutagenicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>Carcinogenicity</b>	Due to partial or complete lack of data the classification is not possible.

#### Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

<b>Reproductive toxicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>Specific target organ toxicity - single exposure</b>	Causes damage to organs.
<b>Specific target organ toxicity - repeated exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Aspiration hazard</b>	Due to partial or complete lack of data the classification is not possible.
<b>Mixture versus substance information</b>	No information available.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

**12.1. Toxicity** Due to partial or complete lack of data the classification for hazardous to the aquatic environment, is not possible.

Product		Species	Test results
Methanol (CAS 67-56-1)			
<b>Aquatic</b>			
Crustacea	EC50	Water flea (Daphnia magna)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours

\* Estimates for product may be based on additional component data not shown.

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

**Partition coefficient n-octanol/water (log Kow)**

-0,77

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects**

The product contains volatile organic compounds which have a photochemical ozone creation potential.

**12.7. Additional information**

**Estonia Dangerous substances in groundwater Data**

Methanol (CAS 67-56-1)

Pesticides (total) 0,5 UG/L

Pesticides (total) 5 UG/L

**Estonia Dangerous substances in soil Data**

Methanol (CAS 67-56-1)

Synthetic pesticides (total of active substances) 0,5 mg/kg

Synthetic pesticides (total of active substances) 20 mg/kg

Synthetic pesticides (total of active substances) 5 mg/kg

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions** Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

**ADR**

**14.1. UN number** UN1230

**14.2. UN proper shipping name** METHANOL

**14.3. Transport hazard class(es)**

**Class** 3

**Subsidiary risk** 6.1(PGI, II)

**Label(s)** 3

+6.1

**Hazard No. (ADR)** 336

**Tunnel restriction code** D/E

**14.4. Packing group** II

Material name: Methanol

2286 Version #: 01 Issue date: 21-July-2017

SDS EU  
10 / 13

**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

#### RID

**14.1. UN number** UN1230  
**14.2. UN proper shipping name** METHANOL  
**14.3. Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** 6.1(PGI, II)  
**Label(s)** 3+6.1  
**14.4. Packing group** II  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

#### ADN

**14.1. UN number** UN1230  
**14.2. UN proper shipping name** METHANOL  
**14.3. Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** 6.1(PGI, II)  
**Label(s)** 3+6.1  
**14.4. Packing group** II  
**14.5. Environmental hazards** No.  
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.

#### IATA

**14.1. UN number** UN1230  
**14.2. UN proper shipping name** Methanol  
**14.3. Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** 6.1(PGI, II)  
**14.4. Packing group** II  
**14.5. Environmental hazards** No.  
**ERG Code** 3L  
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.  
**Other information**  
**Passenger and cargo aircraft** Allowed with restrictions.  
**Cargo aircraft only** Allowed with restrictions.

#### IMDG

**14.1. UN number** UN1230  
**14.2. UN proper shipping name** METHANOL  
**14.3. Transport hazard class(es)**  
**Class** 3  
**Subsidiary risk** 6.1(PGI, II)  
**14.4. Packing group** II  
**14.5. Environmental hazards**  
**Marine pollutant** No.  
**EmS** F-E, S-D  
**14.6. Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.



## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Methanol (CAS 67-56-1)

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Methanol (CAS 67-56-1)

#### Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Additional information is given in the Safety Data Sheet.

#### National regulations

Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.

### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

#### List of abbreviations

Not available.

#### References

Not available.

**Information on evaluation method leading to the classification of mixture**

Not applicable.

**Revision information**

None.

**Disclaimer**

cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.

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