

# Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/18/2022 Revision date: 8/22/2024 Supersedes: 3/18/2022 Version: 2.0

## **SECTION 1: Identification**

1.1. Identification				
Product form Substance name Chemical name CAS-No. Formula BIG No	: Substand : Methanol : Methanol : 67-56-1 : CH4O : 10029			
1.2. Recommended use and restriction	ns on use			
Use of the substance/mixture	: Solvent			
1.3. Supplier				
Smart Chemical Solutions, LLC 3505 Olsen Blvd Suite 201 Amarillo, TX 79109 T (806) 367-8031				
1.4. Emergency telephone number				
Emergency number	: CHEMTF	REC 1-800-424-93	00	
SECTION 2: Hazard(s) identification	on			
2.1. Classification of the substance of	r mixture			
GHS US classification				
Flammable liquids Category 2 Acute toxicity (oral) Category 4 Acute toxicity (dermal) Category 3 Acute toxicity (inhalation) Category 3 Specific target organ toxicity (single exposure Full text of H statements : see section 16	) Category 1	H225 H302 H311 H331 H370	Highly flammable liquid and vapor Harmful if swallowed Toxic in contact with skin Toxic if inhaled Causes damage to organs	
2.2. GHS Label elements, including pr	recautionary stat	ements		
GHS US labeling				
Hazard pictograms (GHS US)	Ke			

Signal word (GHS US) Hazard statements (GHS US)

Precautionary statements (GHS US)

US - en

H225 - Highly flammable liquid and vapor

H311+H331 - Toxic in contact with skin or if inhaled

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting equipment.

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

H302 - Harmful if swallowed

H370 - Causes damage to organs

P233 - Keep container tightly closed.

: Danger

smoking.

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P242 - Use only non-sparking tools. P243 - Take precautionary measures against static discharge. P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P261 - Avoid breathing dust, fume, gas, mist, vapors, spray. P264 - Wash hands, forearms and face 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. P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell. P302+P352 - If on skin: Wash with plenty of water. 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. P307+P311 - If exposed: Call a poison center/doctor. P311 - Call a poison center or doctor. P312 - Call a poison center or doctor if you feel unwell. P321 - Specific treatment (see supplemental first aid instruction on this label). P322 - Specific treatment (see supplemental first aid instruction on this label) P330 - Rinse mouth. P361+P364 - Take off immediately all contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use media other than water to extinguish. P403+P233 - Store in a well-ventilated place. Keep container tightly closed. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## **SECTION 3: Composition/Information on ingredients**

#### 3.1. Substances

Substance type

: Mono-constituent

Name	Product identifier	%	GHS US classification
Methanol (Main constituent)	CAS-No.: 67-56-1	100	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

Full text of hazard classes and H-statements : see section 16

### 3.2. Mixtures

Not applicable

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### **SECTION 4: First-aid measures**

# 4.1. Description of first aid measures

First-aid measures general	: Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.
First-aid measures after inhalation	: Remove the victim into fresh air. Immediately consult a doctor/medical service.
First-aid measures after skin contact	: Wash immediately with lots of water. Remove clothing before washing. Soap may be used. Do not apply (chemical) neutralizing agents without medical advice. Consult a doctor/medical service.
First-aid measures after eye contact	: Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice.
First-aid measures after ingestion	: Rinse mouth with water. Immediately after ingestion, give alcohol to drink. Immediately consult a doctor/medical service. Call Poison Information Centre (www.big.be/antigif.html). Ingestion of large quantities: immediately to hospital. Take the container/vomit to the doctor/hospital.
4.2. Most important symptoms and effects	(acute and delayed)
Potential Adverse human health effects and symptoms	: Odour threshold is well above one of the exposure limits. Causes damage to organs (central nervous system, eyes (blindness)). Toxic if swallowed. Not irritant to skin. Toxic in contact with skin. Toxic if inhaled. Not irritant to eyes. Caution! Substance is absorbed through the skin.
Symptoms/effects after inhalation	: EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Symptoms similar to those listed under ingestion.
Symptoms/effects after skin contact	: Symptoms similar to those listed under ingestion.
Symptoms/effects after eye contact	: Redness of the eye tissue. Lacrimation.
Symptoms/effects after ingestion	<ul> <li>Nausea. Vomiting. AFTER INGESTION OF HIGH QUANTITIES: FOLLOWING SYMPTOMS MAY APPEAR LATER: Change in the haemogramme/blood composition. Central nervous system depression. Headache. Feeling of weakness. Abdominal pain. Muscular pain. Dizziness. Mental confusion. Drunkenness. Coordination disorders. Disturbed motor response. Disturbances of consciousness. Visual disturbances. Blindness. Respiratory difficulties. Cramps/uncontrolled muscular contractions.</li> </ul>
Chronic symptoms	Red skin. Dry skin. Skin rash/inflammation. Headache. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.

### 4.3. Immediate medical attention and special treatment, if necessary

Immediately after ingestion, give a glass of strong drink, beer or wine to drink. Hospitalize at once for treatment with the right antidotes.

SECTION 5: Fire-fighting measures		
5.1. Suitable (and unsuitable) extinguishing media		
Suitable extinguishing media Unsuitable extinguishing media	<ul> <li>Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting clas B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (alcohol-resistant). Water spray if puddle cannot expand.</li> <li>Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.</li> </ul>	
5.2. Specific hazards arising from the chemical		
Fire hazard	: DIRECT FIRE HAZARD: Highly flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks.	
Explosion hazard	: DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: May be ignited by sparks.	
Hazardous decomposition products in case of fire	: Upon combustion: CO and CO2 are formed.	

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## 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions :	Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.
Protection during firefighting :	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures		
6.1. Personal precautions, protection	ve equipment and emergency procedures	
6.1.1. For non-emergency personnel		
Protective equipment	: Gas-tight suit (EN 943).	
Emergency procedures	: Keep upwind. Mark the danger area. Consider evacuation. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.	
6.1.2. For emergency responders		
Protective equipment	: Self-contained breathing apparatus (EN 136 + EN 137).	

### 6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

For containment	: Contain released product, collect/pump into suitable containers. Plug the leak, cut off the supply.
	Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive
	gas-air mixture. Dilute combustible/toxic gases/vapours with water spray. Provide
	equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
Methods for cleaning up	: Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite slaked lime or
	soda ash. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers.
	Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills.
	Clean contaminated surfaces with an excess of water. Take collected spill to
	manufacturer/competent authority. Wash clothing and equipment after handling.
Other information	: Dispose of materials or solid residues at an authorized site.

For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling Hygiene measures	<ul> <li>Keep away from naked flames/heat. Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation. Comply with the legal requirements. Clean contaminated clothing. Keep container tightly closed. Handle uncleaned empty containers as full ones. Do not discharge the waste into the drain. Do not use compressed air for pumping over.</li> <li>Observe very strict hygiene - avoid contact.</li> </ul>
7.2. Conditions for safe storage, inclu	iding any incompatibilities
Technical measures Storage conditions Heat-ignition	<ul> <li>Ground/bond container and receiving equipment.</li> <li>Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.</li> <li>KEEP SUBSTANCE AWAY FROM: heat sources. ignition sources.</li> </ul>

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Information on mixed storage	: KEEP SUBSTANCE AWAY FROM: combustible materials. oxidizing agents. (strong) acids. (strong) bases. halogens. amines. water/moisture.
Storage area	<ul> <li>Meet the legal requirements. Aboveground. Store in a dry area. Fireproof storeroom. Provide for a tub to collect spills. Provide the tank with earthing.</li> </ul>
Special rules on packaging	<ul> <li>SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.</li> </ul>
Packaging materials	<ul> <li>SUITABLE MATERIAL: steel. stainless steel. iron. glass. MATERIAL TO AVOID: lead. aluminium. zinc. polyethylene. PVC.</li> </ul>

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

Methanol (67-56-1)		
USA - ACGIH - Occupational Exposure Limits		
Local name	Methanol	
ACGIH OEL TWA [ppm]	200 ppm	
ACGIH OEL STEL [ppm]	250 ppm	
Remark (ACGIH)	TLV® Basis: Headache; eye dam; dizziness; nausea. Notations: Skin; BEI	
Regulatory reference	ACGIH 2022	
USA - ACGIH - Biological Exposure Indices		
Local name	METHANOL	
BEI	15 mg/l Parameter: Methanol - Medium: urine - Sampling time: End of shift - Notations: B, Ns	
Regulatory reference	ACGIH 2022	
USA - OSHA - Occupational Exposure Limits		
Local name	Methyl alcohol	
OSHA PEL TWA [1]	260 mg/m³	
OSHA PEL TWA [2]	200 ppm	
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1	

## 8.2. Appropriate engineering controls

Appropriate engineering controls	
Environmental exposure controls	

: Ensure good ventilation of the work station.: Avoid release to the environment.

## 8.3. Individual protection measures/Personal protective equipment

#### Materials for protective clothing:

Excellent resistance: butyl rubber. Good resistance: Polyethylene/ethylenevinylalcohol. Styrene-butadiene rubber. Viton. Less resistance: Chloroprene rubber. Chlorinated polyethylene. Natural rubber. Nitrile rubber/PVC. Poor resistance: leather. Neoprene. Nitrile rubber. Polyethylene. Polyvinylalcohol (PVA). Polyurethane

### Hand protection:

Protective gloves against chemicals (EN 374)

### Eye protection:

Eye protection not required in normal conditions

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### Skin and body protection:

Protective clothing (EN 14605 or EN 13034)

#### **Respiratory protection:**

Full face mask with filter type AX at conc. in air > exposure limit. High vapour/gas concentration: self-contained breathing apparatus (EN 136 + EN 137)

### Personal protective equipment symbol(s):



## **SECTION 9: Physical and chemical properties**

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

Physical state	: Liquid
Appearance	: Liquid.
Color	: Colourless
Odor	: Characteristic odour Mild odour Pleasant odour Alcohol odour Commercial/unpurified substance:
	irritating/pungent odour
Odor threshold	: 100 – 1500 ppm Source: ACGIH DOCUMENTATION
рН	: No data available in the literature
Melting point	: -98 °C
Freezing point	: No data available
Boiling point	: 65 °C (1013 hPa)
Critical temperature	: 240 °C
Critical pressure	: 79547 hPa
Flash point	: 10 °C (Closed cup, 1013 hPa, EU Method A.9: Flash-Point)
Relative evaporation rate (butyl acetate=1)	: 4.1
Relative evaporation rate (ether=1)	: 6.3
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 128 hPa (20 °C)
Vapor pressure at 50 °C	: 552 hPa
Relative vapor density at 20 °C	: 1.1
Particle size	: Not applicable (liquid)
Relative density	: 0.79 – 0.8 (20 °C)
Relative density of saturated gas/air mixture	: 1
Density	: 790 – 800 kg/m³ (20 °C)
Molecular mass	: 32.04 g/mol
Solubility	Soluble in water. Soluble in ethanol. Soluble in ether. Soluble in acetone. Soluble in chloroform. Water: ≥ 100 g/100ml
	Ethanol: complete
	Ether: complete
	Acetone: complete
Partition coefficient n-octanol/water (Log Pow)	: -0.77 (Experimental value)
Auto-ignition temperature	: 455 °C (1013 hPa, DIN 51794: Self-ignition temperature, T1)
Decomposition temperature	: No data available in the literature
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 0.544 – 0.59 mPa.s (25 °C)
Explosion limits	: 5.5 – 36.5 vol %
	Lower explosion limit: 5.5 vol %
	Upper explosion limit: 36.5 vol %
Explosive properties	: No data available
Oxidizing properties	: No data available

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#### 9.2. Other information

Minimum ignition energy	: 0.14 mJ
Saturation concentration	: 166 g/m <sup>3</sup>
VOC content	: 100 %
Other properties	: Clear. Hygroscopic. Volatile. Neutral reaction.

## **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

Violent to explosive reaction with (some) metal powders and with (strong) oxidizers. Violent exothermic reaction with (some) acids and with (some) halogens compounds.

#### 10.2. Chemical stability

Hygroscopic.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

#### 10.5. Incompatible materials

No additional information available

### **10.6. Hazardous decomposition products**

On heating: release of toxic/corrosive/combustible gases/vapours (formaldehyde).

## **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

Acute toxicity (oral)	: Harmful if swallowed.
Acute toxicity (dermal)	: Toxic in contact with skin.
Acute toxicity (inhalation)	: Toxic if inhaled.
Methanol (67-56-1)	
LD50 oral rat	1187 – 2769 mg/kg body weight (BASF test, Rat, Male / female, Experimental value, Aqueous solution, Oral, 7 day(s))
LD50 dermal rabbit	300 mg/kg Source: ECHA
LC50 Inhalation - Rat	128 mg/l air (BASF test, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))
ATE US (oral)	1187 mg/kg body weight
ATE US (dermal)	300 mg/kg body weight
ATE US (gases)	700 ppmV/4h
ATE US (vapors)	3 mg/l/4h
ATE US (dust, mist)	0.5 mg/l/4h
Skin corrosion/irritation	: Not classified

pH: No data available in the literature

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Serious eye damage/irritation	: Not classified
	pH: No data available in the literature
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Causes damage to organs.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and	: Odour threshold is well above one of the exposure limits. Causes damage to organs (central
symptoms	nervous system, eyes (blindness)). Toxic if swallowed. Not irritant to skin. Toxic in contact with skin. Toxic if inhaled. Not irritant to eyes. Caution! Substance is absorbed through the skin.
Symptoms/effects after inhalation	: EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Symptoms similar to those listed under ingestion.
Symptoms/effects after skin contact	: Symptoms similar to those listed under ingestion.
Symptoms/effects after eye contact	: Redness of the eye tissue. Lacrimation.
Symptoms/effects after ingestion	<ul> <li>Nausea. Vomiting. AFTER INGESTION OF HIGH QUANTITIES: FOLLOWING SYMPTOMS MAY APPEAR LATER: Change in the haemogramme/blood composition. Central nervous system depression. Headache. Feeling of weakness. Abdominal pain. Muscular pain. Dizziness Mental confusion. Drunkenness. Coordination disorders. Disturbed motor response. Disturbances of consciousness. Visual disturbances. Blindness. Respiratory difficulties. Cramps/uncontrolled muscular contractions.</li> </ul>
Chronic symptoms	: Red skin. Dry skin. Skin rash/inflammation. Headache. Disturbed tactile sensibility. Visual disturbances. Sleeplessness. Gastrointestinal complaints. Cardiac and blood circulation effects.

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
Ecology - air	: Not included in the list of substances which may contribute to the greenhouse effect (IPCC). Not included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014). Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).
Ecology - water	: Not harmful to crustacea (Daphnia). Not harmful to fishes. Groundwater pollutant. Inhibition of activated sludge. Nitrification of activated sludge is inhibited. Not harmful to algae. Not harmful to bacteria.
Methanol (67-56-1)	
LC50 - Fish [1]	15400 mg/l (EPA 660/3 - 75/009, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	18260 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 96 h, Daphnia magna, Semi- static system, Fresh water, Experimental value, Locomotor effect)

## 12.2. Persistence and degradability

Methanol (67-56-1)		
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.	
Biochemical oxygen demand (BOD)	0.6 – 1.12 g O <sub>2</sub> /g substance	
Chemical oxygen demand (COD)	1.42 g O <sub>2</sub> /g substance	
ThOD	1.5 g O <sub>2</sub> /g substance	

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## 12.3. Bioaccumulative potential

Methanol (67-56-1)		
BCF - Fish [1]	1 – 4.5 (72 h, Cyprinus carpio, Static system, Fresh water, Experimental value)	
Partition coefficient n-octanol/water (Log Pow)	-0.77 (Experimental value)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	

# 12.4. Mobility in soil

Methanol (67-56-1)	
Mobility in soil	2.75 Source: HSDB
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	-0.89 – -0.21 (log Koc, Calculated value)
Ecology - soil	Highly mobile in soil.

## 12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Disposal methods		
Waste treatment methods Product/Packaging disposal recommendations	<ul> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> <li>Do not discharge into drains or the environment. Dispose of at authorized waste collection point. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.</li> </ul>	
Additional information	<ul> <li>Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.</li> </ul>	

SECTION 14: Transport information		
DOT	IMDG	ΙΑΤΑ
14.1. UN number		
1230	1230	1230
14.2. Proper Shipping Name		
Methanol	METHANOL	Methanol
14.3. Transport hazard class(es)		
3	3 (6.1)	3 (6.1)

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DOT	IMDG	ΙΑΤΑ
RAMMARE LIQUED		
14.4. Packing group		
II	П	II
14.5. Environmental hazards		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		
14.6. Special precautions for user		
DOT UN-No.(DOT) DOT Special Provisions (49 CFR 172.102) DOT Packaging Exceptions (49 CFR 173.xxx) DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) DOT Vessel Stowage Location	<ul> <li>UN1230</li> <li>IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized. T7 - 4 178.274(d)(2) Normal</li></ul>	
DOT Vessel Stowage Other <b>IMDG</b> Transport regulations (IMDG) Special provision (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) IBC packing instructions (IMDG) Tank instructions (IMDG) Tank instructions (IMDG)	<ul> <li>: 40 - Stow "clear of living quarters"</li> <li>: Subject to the provisions</li> <li>: 279</li> <li>: 1 L</li> <li>: E2</li> <li>: P001</li> <li>: IBC02</li> <li>: T7</li> <li>: TPa</li> </ul>	
Tank special provisions (IMDG) EmS-No. (Fire) EmS-No. (Spillage)	: TP2 : F-E - FIRE SCHEDULE Echo - NON-WATER : S-D - SPILLAGE SCHEDULE Delta - FLAMN	

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: B
: SW2
: 12°C c.c.
: Colourless, volatile liquid. Flashpoint: 12°C c.c. Explosive limits: 6% to 36.5% Miscible with water.Toxic if swallowed; may cause blindness. Avoid skin contact.
: 19
: Subject to the provisions
: E2
: Y341
: 1L
: 352
: 1L
: 364
: 60L
: A113
: 3L

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

Not applicable

# **SECTION 15: Regulatory information**

### 15.1. US Federal regulations

Methanol (67-56-1)			
Subject to reporting requirements of United States SARA Section 313 Listed on EPA Hazardous Air Pollutant (HAPS)			
CERCLA RQ	5000 lb		
All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory			
Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.			
Methanol	CAS-No. 67-56-1	100%	
15.2. International regulations			
CANADA			
Methanol (67-56-1)			
Listed on the Canadian DSL (Domestic Substances List)			
EU-Regulations No additional information available National regulations			
Methanol (67-56-1)			

Listed on INSQ (Mexican National Inventory of Chemical Substances)

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## 15.3. US State regulations

Methanol (67-56-1)			
U.S California - Proposition 65 - Carcinogens List	No		
U.S California - Proposition 65 - Developmental Toxicity	Yes		
U.S California - Proposition 65 - Reproductive Toxicity - Female	No		
U.S California - Proposition 65 - Reproductive Toxicity - Male	No		
Maximum allowable dose level (MADL)	47000 μg/day (inhalation); 23,000 μg/day (oral)		

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This product can expose you to Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

## **SECTION 16: Other information**

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Full text of H-phrases			
H225	Highly flammable liquid and vapor		
H302	Harmful if swallowed		
H311	Toxic in contact with skin		
H331	Toxic if inhaled		
H370	Causes damage to organs		

NFPA health hazard	: 4 - Materials that, under emergency conditions, can be lethal.	
NFPA fire hazard	: 3 - Liquids and solids (including finely divided suspended solids) that can	
	be ignited under almost all ambient temperature conditions.	ſ
NFPA reactivity	: 0 - Material that in themselves are normally stable, even under fire	4
	conditions.	

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