

# Safety Data Sheet

## Methyltrioctylphosphonium methylcarbonate, 30% in Methanol

Revision Date: 10/2/2020

Date Issued: 11/25/2020

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

<b>Product name</b>	Methyltrioctylphosphonium methylcarbonate, 30% in Methanol
<b>Product code</b>	IN-0031
<b>CAS</b>	1204316-79-9
<b>REACH No.</b>	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
<b>Identified uses</b>	Laboratory chemicals, Manufacture of substances
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Salzstraße 184 D – 74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131-89839-0
<b>Fax</b>	+49 (0)7131-89839-109
<b>Emergency telephone</b>	+49 (0)176-84850874
<b>Email</b>	<a href="mailto:msds@iolitec.de">msds@iolitec.de</a>

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Flammable liquids (Category 3)

Acute toxicity, Inhalation (Category 4)

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Acute toxicity, Dermal (Category 4)

Acute toxicity, Oral (Category 4)

Skin irritation (Category 2)

Eye irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3)

Specific target organ toxicity - single exposure (Category 1)

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)



Signal word

Danger

#### *Hazard statements*

#### **H-phrases**

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.

#### *Precautionary statements*

#### **P phrases**

P260	Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P280	Wear protective gloves/ protective clothing.

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P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P307 + P311

IF exposed: Call a POISON CENTER or doctor/physician.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient name	CAS	Contents	Health(Class)	Risk(R/No.)
Methyltrioctylphosphonium Methylcarbonate	1204316-79-9	30%	Skin Irrit. 2 Eye Irrit. 2 STOT SE 3	H315, H319 H335
Methanol	67-56-1	70%	Flam. Liq. 2 Acute Tox. 3 STOT SE 1	H225, H301, H311 H331, H370

### 4 FIRST AID MEASURES

#### General

Contaminated clothing should be removed and washed before being reused.

#### Inhalation

Move the exposed person to fresh air at once. If respiratory problems, provide artificial respiration/oxygen.

#### Ingestion

Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention immediately.

#### Skin

Wash the skin immediately with soap and water.

#### Eyes

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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### 5 FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Use: Water spray, fog or mist. Carbon dioxides (CO <sub>2</sub> ). Dry chemicals, sand, dolomite etc.
<b>Special fire fighting procedures</b>	Avoid water in straight hose stream, will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.
<b>Unusual fire &amp; explosion hazards</b>	Fire causes formation of toxic gases.
<b>Protective measures in fire</b>	Wear self-contained breathing apparatus as combustion may produce hazardous fumes.

### 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions during spill</b>	Wear protective clothing and avoid inhalation of vapor, skin or eye contact.
<b>Precautions to protect environment</b>	Avoid washing into water courses. Avoid contaminating public drains or water supply.
<b>Spill cleanup methods</b>	Avoid contact with skin or inhalation of spillage, dust or vapor. Avoid dust formation. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

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### 7 HANDLING AND STORAGE

<b>Usage precautions</b>	Keep away from heat, sparks and open flame. Do not use in confined spaces without adequate ventilation and/or respirator.
<b>Storage precautions</b>	Store at moderate temperatures in dry, well ventilated area.
<b>Storage criteria</b>	Chemical storage.

### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Protective equipment</b>	Safety goggles. Chemical resistant gloves. Protective clothing.
<b>Process control measures</b>	Provide eyewash station and safety shower. Use engineering controls to reduce air contamination to permissible exposure levels.
<b>Ventilation</b>	Provide adequate general and local exhaust ventilation.
<b>Respirators</b>	Use high efficiency particulate respirator with appropriate filter.
<b>Other protection</b>	Wear overalls and industrial shoes.

### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Liquid.
<b>Color</b>	Colorless to yellow.
<b>Odor/taste</b>	Alcohol-like.
<b>Flash Point</b>	26 °C
<b>Explosion Limits, lower</b>	6.00 vol %
<b>Explosion Limits, upper</b>	31.00 vol %
<b>Solubility in water</b>	Miscible.

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### 10 STABILITY AND REACTIVITY

<b>Stability</b>	No particular stability concerns.
<b>Conditions to avoid</b>	Avoid contact to strong oxidizers, bases and acids.
<b>Hazardous Decomposition Products</b>	High temperatures generate: Corrosive gases/ vapor/ fumes of: Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO). Nitrous gases (NO <sub>x</sub> ).

### 11 TOXICOLOGICAL INFORMATION

<b>Ingestion</b>	not available.
<b>Skin</b>	not available.
<b>Eyes</b>	not available

**Data on the toxicity of this product are not available. Hazardous properties cannot be excluded.**

### 12 ECOLOGICAL INFORMATION

<b>Environmental hazards</b>	Avoid washing into water courses. Avoid contaminating public drains or water supply.
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### 13 DISPOSAL CONSIDERATIONS

<b>Disposal method</b>	Contact specialist disposal companies. Dispose of in accordance with Local Authority requirements. Recover and reclaim or recycle, if practical.
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### 14 TRANSPORT INFORMATION

<b>ADR/RID</b>	UN 1987, Class 3, PG III Alcohols, n.o.s. (Methyltrioctylphosphonium methylcarbonate 30% in Methanol)
<b>IMDG</b>	UN 1987, Class 3, PG III Alcohols, n.o.s. (Methyltrioctylphosphonium methylcarbonate 30% in Methanol) Marine pollutant: No
<b>IATA</b>	UN 1987, Class 3, PG III Alcohols, n.o.s. (Methyltrioctylphosphonium methylcarbonate 30% in Methanol)

### 15 REGULATORY INFORMATION

#### Text of H-code(s) mentioned in Section 3

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H370	Causes damage to organs.

#### Country specific information

**Germany** WGK: 3 (Self-Classification)

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### 16 OTHER INFORMATION

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