

## Chloride in Methanol Liquid

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

#### 1.1 - Product identifier

Trade name/designation Chloride in Methanol Liquid

Chemical name

Product-type Mixture

Product code PL30CLMEOH

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

Relevant identified uses - Use as laboratory reagent

Uses advised against - Other

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

Water-I.D. GmbH

Daimlerstr. 20

76344 Eggenstein Germany

Telephone : +49 (0) 721 - 78 20 29 - 0 Fax +49 (0) 721 - 78 20 29 - 11

Website [www.water-id.com](http://www.water-id.com)

EHS / Compliance: [lab@water-id.com](mailto:lab@water-id.com)

#### 1.4 - Emergency telephone number

- Poison Control Center Munich

Tel: +49 (0) 89 / 19 24 0

Germany

24 hour service

Languages: German, English

please also call from: United Kingdom

### SECTION 2: Hazards identification

#### 2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Corr. 1A	Skin corrosion, Category 1A
Eye Dam. 1	Serious eye damage, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1

#### 2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: nitric acid ... % (CAS No.: 7697-37-2)

Signal word : Danger

Hazard pictograms



Hazard statements

H314 Causes severe skin burns and eye damage

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H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Precautionary statements	
P260	Do not breathe mist, vapours, spray.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves, protective clothing, eye protection.
P301+P330+P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
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.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER, a doctor.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of container to an appropriate recycling or disposal facility.
EUH-phrases	: None

### 2.3 - Other hazards

PBT-substance. - No information available.

vPvB-substance. - No information available.

Other hazards which do not result in classification - No information available.

## SECTION 3: Composition / information on ingredients

### 3.1 - Substances

Not applicable

### 3.2 - Mixtures

Chemical name	No	%	Class	Spec. concentrations
nitric acid ... %	CAS No. : 7697-37-2 Index No. : 007-004-00-1 EC No. : 231-714-2	10 - < 40	Ox. Liq. 2 - H272 Skin Corr. 1A - H314	Skin Corr. 1A - H314 : 20>=%<=100 Skin Corr. 1B - H314 : 5>=%<20 Ox. Liq. 2 - H272 : 99>=%<=100 Ox. Liq. 3 - H272 : 65>=%<99
silver nitrate	CAS No. : 7761-88-8 Index No. : 047-001-00-2 EC No. : 231-853-9 REACH No. : 01-2119513705-43-XXXX	< 2	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Ox. Sol. 2 - H272 Skin Corr. 1B - H314	Not applicable

## SECTION 4: First aid measures

### 4.1 - Description of first aid measures

Following inhalation - Provide fresh air.

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	- When in doubt or if symptoms are observed, get medical advice.
<u>Following skin contact</u>	- After contact with skin, wash immediately with plenty of water and soap. - Remove contaminated, saturated clothing immediately. - In case of skin reactions, consult a physician.
<u>After eye contact</u>	- In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.
<u>After ingestion</u>	- If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

<u>Symptoms and effects - Following inhalation</u>	- No information available.
<u>Symptoms and effects - Following skin contact</u>	- No information available.
<u>Symptoms and effects - After eye contact</u>	- Serious eye damage/eye irritation
<u>Symptoms and effects - After ingestion</u>	- No information available.

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

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## SECTION 5: Firefighting measures

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### 5.1 - Extinguishing media

<u>Suitable extinguishing media</u>	- ABC-powder - Carbon dioxide (CO <sub>2</sub> ) - Foam - Extinguishing powder
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<u>Unsuitable extinguishing media</u>	- Full water jet
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### 5.2 - Special hazards arising from the substance or mixture

<u>Special hazards arising from the substance or mixture</u>	- No information available.
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<u>Hazardous decomposition products</u>	- Nitrogen oxides (NO <sub>x</sub> ) - metallic oxides containing heavy metals
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### 5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
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## SECTION 6: Accidental release measures

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

<u>For non-emergency personnel</u>	- Use personal protection equipment.
<u>For emergency responders</u>	- No information available.

### 6.2 - Environmental precautions

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- Do not allow to enter into surface water or drains.

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

#### Methods and material for containment

- Soak up inert absorbent and dispose as waste requiring special attention.

#### Methods and material for cleaning up

- Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
- Clear contaminated areas thoroughly.

#### Inappropriate techniques

- No information available.

### 6.4 - Reference to other sections

- Disposal: see section 13  
- Personal protection equipment: see section 8

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## SECTION 7: Handling and storage

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### 7.1 - Precautions for safe handling

#### Recommendation

- Avoid: Eye contact  
- It is recommended to design all work processes always so that the following is excluded: Eye contact  
- It is recommended to design all work processes always so that the following is excluded: Skin contact

#### Advices on general occupational hygiene

- No information available.

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

- Store in a place accessible by authorized persons only.  
- Keep away from: Food and feedingstuffs  
- Only use containers specifically approved for the substance/product.

### 7.3 - Specific end use(s)

- Reagent for analysis

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## SECTION 8: Exposure controls/personal protection

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### 8.1 - Control parameters

### 8.2 - Exposure controls

#### Appropriate engineering controls

- No information available.

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

- Suitable eye protection: Eye glasses with side protection



- Suitable protective clothing: lab coat



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- Suitable eye protection: Face protection umbrella



- Suitable protective clothing: Protective apron



- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.



- Suitable material: NBR (Nitrile rubber)

### SECTION 9: Physical and chemical properties

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

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	colourless	<u>Odour</u>	stinging
Odour threshold		No data available	
pH		< 1 @ 20°C	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		No data available	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	
Solubility (Water)		100 %	
Solubility (Ethanol)		No data available	
Solubility (Acetone)		No data available	
Solubility (Organic solvents)		No data available	
Log KOC		No data available	
Auto-ignition temperature		No data available	
Decomposition temperature		No data available	
Kinematic viscosity		No data available	
Dynamic viscosity		No data available	

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### 9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

## SECTION 10: Stability and reactivity

### 10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

### 10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

### 10.4 - Conditions to avoid

- No information available.

### 10.5 - Incompatible materials

- Alkali (lye), concentrated
- Powdered metals

### 10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

## SECTION 11: Toxicological information

### 11.1 - Information on toxicological effects

Acute toxicity - Not classified

#### Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available
LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

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

#### Toxicity : Substances

##### silver nitrate (7761-88-8)

LD50 oral (rat)	1173 mg/kg
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Skin corrosion/irritation - Skin corrosion, Category 1A - Causes severe skin burns and eye damage

- Corrosive.

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Serious eye damage/eye irritation - Serious eye damage, Category 1

- Risk of serious damage to eyes.
- Causes serious eye irritation.
- Corrosive.

Respiratory or skin sensitisation - Not classified

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - Not classified

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

### SECTION 12: Ecological information

#### 12.1 - Toxicity

##### Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

##### Toxicity : Substances

silver nitrate (7761-88-8)	
EC50 48 hr crustacea	0,0067 mg/l
LC50 96 hr fish	0,0069 mg/l < V < 0,0082 mg/l
NOEC chronic fish	0,00037 mg/l

- Very toxic to aquatic life.
- Very toxic to aquatic life with long lasting effects.

#### 12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

#### 12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
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Log KOC	No data available
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- No indication of bioaccumulation potential.

### 12.4 - Mobility in soil

- No information available.

### 12.5 - Results of PBT and vPvB assessment

- No information available.

- No information available.

### 12.6 - Other adverse effects

- No information available.

## SECTION 13: Disposal considerations

### 13.1 - Waste treatment methods

Waste treatment methods - Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Sewage disposal - Do not empty into drains.

Special precautions for waste treatment - Waste for disposal is to be classified and labelled.  
- Do not mix with other wastes.  
- Consult the appropriate local waste disposal expert about waste disposal.

Community or national or regional provisions - Dispose according to legislation.

## SECTION 14: Transport information

### 14.1 - UN number

UN number (ADR) : UN3264

UN number (RID) : UN3264

UN number (ADN) : UN3264

UN number (IMDG) : UN3264

UN number (IATA) : UN3264

### 14.2 - UN proper shipping name

UN proper shipping name (ADR) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (silver nitrate, nitric acid ... %)

UN proper shipping name (RID) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (silver nitrate, nitric acid ... %)

UN proper shipping name (ADN) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (silver nitrate, nitric acid ... %)

UN proper shipping name (IMDG) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (silver nitrate, nitric acid ... %)

UN proper shipping name (IATA) : CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (silver nitrate, nitric acid ... %)

### 14.3 - Transport hazard class(es)

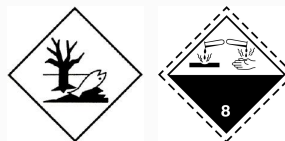


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ADR Transport hazard class(es) : 8

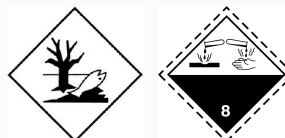
ADR Classification code: : C1

Pictograms



Transport hazard class(es) (RID) : 8

Pictograms



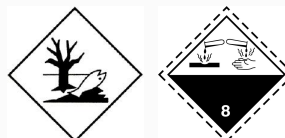
Transport hazard class(es) (ADN) : 8

Pictograms



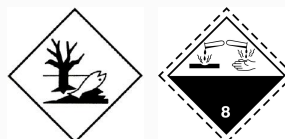
Transport hazard class(es) (IMDG) : 8

Pictograms



Transport hazard class(es) (IATA) : 8

Pictograms



### 14.4 - Packing group

Packing group : II

Packing group (RID) : II

Packing group (ADN) : II

Packing group (IMDG) : II

Packing group (IATA) : II

### 14.5 - Environmental hazards

Environmental hazards : Yes.

Marine pollutant : Hazardous to the aquatic environment - Aquatic Acute 1  
Hazardous to the aquatic environment - Aquatic Chronic 1

### 14.6 - Special precautions for user

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### **ADR**

<u>ADR Classification code:</u>	:	C1
<u>ADR Special provisions</u>	:	274
<u>ADR Limited quantity (LQ)</u>	:	1 L
<u>ADR Excepted quantities</u>	:	E2
<u>ADR Packing instructions</u>	:	P001 IBC02
<u>ADR Special packing provisions</u>	:	
<u>ADR Mixed packing provisions</u>	:	MP15
<u>Instructions for portable tanks and bulk containers</u>	:	T11
<u>Special provisions for portable tanks and bulk containers</u>	:	TP2 TP27
<u>ADR tank code</u>	:	L4BN
<u>ADR tanks special provisions</u>	:	
<u>Vehicle for tank carriage</u>	:	AT
<u>ADR Transport category</u>	:	2
<u>ADR Tunnel restriction code</u>	:	E
<u>ADR Special provisions loading, unloading and handling</u>	:	
<u>Special provisions - Packages</u>	:	
<u>Special provisions - Bulk</u>	:	
<u>Special provisions - Operation</u>	:	
<u>ADR Hazard identification number (Kemler No.)</u>	:	80

### **RID**

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

### **ADN**

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	

### **IMDG**

<u>Special provisions</u>	:	
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	
<u>Packing instructions</u>	:	
<u>Special packing provisions</u>	:	
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	
<u>Stowage and handling</u>	:	
<u>Segregation</u>	:	
<u>Properties and observations</u>	:	

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### **IATA**

<u>PCA - Excepted quantities</u>	:
<u>PCA - Limited Quantity - Packing Instructions</u>	:
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:
<u>PCA - Packing Instructions</u>	:
<u>PCA - Maximum Net Quantity per Package</u>	:
<u>CAO - Packing Instructions</u>	:
<u>CAO - Maximum Net Quantity per Package</u>	:
<u>Special Provisions</u>	:
<u>ERG Code</u>	:

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

### **SECTION 15: Regulatory information**

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

### **SECTION 16: Other information**

#### SDS versions

Version	Issue date	Description of the amendments
1	12.10.2018	Creation of MSDS.

Abbreviations and acronyms - See overview table at [www.euphrac.eu](http://www.euphrac.eu)

#### Texts of the regulatory sentences

Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Eye Dam. 1	Serious eye damage, Category 1
H272	May intensify fire; oxidiser
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Ox. Liq. 2	Oxidising liquids - Category 2
Ox. Liq. 3	Oxidising liquids - Category 3
Ox. Sol. 2	Oxidising solids - Category 2
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Corr. 1B	Skin corrosion, Category 1B

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## Chloride in Methanol Liquid

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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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