

# Safety data sheet

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BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 07.11.2023

Version: 1.2

Product: **K-Methylate Crystals**

(ID no. 30036705/SDS\_GEN\_00/EN)

Date of print 13.10.2025

## 1. Identification

### Product identifier

### K-Methylate Crystals

Chemical name: potassium methylate crystals

INDEX-Number: 603-040-00-2

CAS Number: 865-33-8

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

Relevant identified uses: Chemical

Recommended use: initial product for chemical syntheses, process chemical

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

#### Company:

BASF SE

67056 Ludwigshafen

GERMANY

Division Monomers

Telephone: +49 621 60 42737

E-mail address: pss.monomers@basf.com

### Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

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## 2. Hazards Identification

### Classification of the substance or mixture

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According to UN GHS criteria

Flam. Sol. 1  
 Self-heat. 1  
 Acute Tox. 4 (oral)  
 Skin Corr./Irrit. 1B  
 Eye Dam./Irrit. 1

For the classifications not written out in full in this section the full text can be found in section 16.

**Label elements**Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H228	Flammable solid.
H251	Self-heating: may catch fire.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves, protective clothing and eye protection or face protection.
P260	Do not breathe dust/gas/mist/vapours.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P235	Keep cool.
P240	Ground and bond container and receiving equipment.
P270	Do not eat, drink or smoke when using this product.
P264	Wash contaminated body parts thoroughly after handling.

Precautionary Statements (Response):

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 or physician.
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.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P363	Wash contaminated clothing before reuse.
P370 + P378	In case of fire: Use ... to extinguish.

Precautionary Statements (Storage):

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P405	Store locked up.
P407	Maintain air gap between stacks or pallets.
P420	Store separately.
P413	Store bulk masses greater than 1,000 kg/2,205 lbs at temperatures not exceeding 25 °C/77 °F.

**Precautionary Statements (Disposal):**

P501	Dispose of contents and container to hazardous or special waste collection point.
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According to Regulation (EC) No 1272/2008 [CLP]

Labeling of special preparations (GHS):  
Reacts violently with water.

According to UN GHS criteria

Hazard determining component(s) for labelling: Potassium methanolate

**Other hazards**According to UN GHS criteria

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

When finely distributed, self-ignition is possible.

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### 3. Composition/Information on Ingredients

**Substances**Chemical nature

Potassium methanolate

CAS Number: 865-33-8

EC-Number: 212-736-1

INDEX-Number: 603-040-00-2

Hazardous ingredients (GHS)

According to UN GHS criteria

Potassium methanolate

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Content (W/W): $\geq 75\%$ - $\leq 100\%$	Flam. Sol. 1 Self-heat. 1 Acute Tox. 4 (oral) Skin Corr./Irrit. 1A Eye Dam./Irrit. 1 H228, H251, H314, H302 EUH014, EUH071
CAS Number: 865-33-8	
EC-Number: 212-736-1	
INDEX-Number: 603-040-00-2	
Methanol	
Content (W/W): $> 0\%$ - $< 3\%$	Flam. Liq. 2 Acute Tox. 3 (Inhalation - vapour) Acute Tox. 3 (oral) Acute Tox. 3 (dermal) STOT SE (Central nervous system, Optic nerve) 1 H225, H301 + H311 + H331, H370
CAS Number: 67-56-1	
EC-Number: 200-659-6	
INDEX-Number: 603-001-00-X	
	<u>Specific concentration limit:</u> STOT SE 2: $3 - < 10\%$ STOT SE 1: $\geq 10\%$
Potassium hydroxide	
Content (W/W): $> 0\%$ - $< 3\%$	Met. Corr. 1 Acute Tox. 4 (oral) Skin Corr./Irrit. 1A Eye Dam./Irrit. 1 H290, H302, H314
CAS Number: 1310-58-3	
EC-Number: 215-181-3	
INDEX-Number: 019-002-00-8	
	<u>Specific concentration limit:</u> Skin Corr./Irrit. 2: $0,5 - < 2\%$ Eye Dam./Irrit. 2: $0,5 - < 2\%$ Skin Corr./Irrit. 1A: $\geq 5\%$ Skin Corr./Irrit. 1B: $2 - < 5\%$

For the classifications not written out in full in this section the full text can be found in section 16.

**Mixtures**

Not applicable

**4. First-Aid Measures****Description of first aid measures**

Immediately remove contaminated clothing. First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position).

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

**On skin contact:**

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

**On contact with eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**On ingestion:**

Immediately rinse mouth and then drink 200 - 300 ml water, do not induce vomiting, seek medical attention. Administer 50 ml of pure ethanol in a drinkable concentration. Seek medical attention.

**Most important symptoms and effects, both acute and delayed**

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., skin corrosion, irritates the eyes and respiratory tract, Further symptoms are possible

Hazards: No hazard is expected under intended use and appropriate handling.

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

Treatment: Symptomatic treatment (decontamination, vital functions).

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## 5. Fire-Fighting Measures

**Extinguishing media**

Suitable extinguishing media:  
dry powder, Dry sand, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:  
water, carbon dioxide

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

corrosive gases/vapours

The substances/groups of substances mentioned can be released in case of fire.

**Advice for fire-fighters**

Special protective equipment:

Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental Release Measures

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

Avoid contact with the skin, eyes and clothing. Use breathing apparatus if exposed to vapours/dust/aerosol.

**Environmental precautions**

Discharge into the environment must be avoided.

**Methods and material for containment and cleaning up**

For small amounts: Sweep/shovel up. Correctly dispose of recovered product immediately.

For large amounts: Sweep/shovel up. Correctly dispose of recovered product immediately.

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**7. Handling and Storage****Precautions for safe handling**

Ensure thorough ventilation of stores and work areas. Breathing must be protected when large quantities are decanted without local exhaust ventilation. Protect against moisture. Protect from air. Protect from direct sunlight.

Protection against fire and explosion:

Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy. Avoid dust formation.

**Conditions for safe storage, including any incompatibilities**

Segregate from acids and acid forming substances.

Suitable materials for containers: Low density polyethylene (LDPE), Stainless steel 1.4301 (V2), Stainless steel 1.4401, glass, High density polyethylene (HDPE), Carbon steel (Iron), Stainless steel 1.4541, Stainless steel 1.4571, Alkyd resin lacquer 441

Unsuitable materials for containers: Aluminium, Galvanized carbon steel (Zinc), Lead-plated, Paper/Fibreboard, tinned carbon steel (Tinplate)

Further information on storage conditions: Keep container tightly closed in a cool, well-ventilated place.

**Specific end use(s)**

See exposure scenario(s) in the attachment to this safety data sheet.

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**8. Exposure Controls/Personal Protection****Control parameters**Components with occupational exposure limits

67-56-1: Methanol

1310-58-3: Potassium hydroxide

**Exposure controls**Personal protective equipment

Respiratory protection:

Breathing protection if breathable aerosols/dust are formed. Particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, Type P2 or FFP2)

Hand protection:

Use gauntlets.

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1):

butyl rubber (butyl) - 0.7 mm coating thickness

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing. Manufacturer's directions for use should be observed because of great diversity of types.

**Eye protection:**

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

**Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

**General safety and hygiene measures**

Avoid contact with the skin, eyes and clothing. Do not breathe dust. Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of dusts.

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## 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

Form:	powder, crystalline	
Colour:	white to light yellow	
Odour:	odourless	
Odour threshold:	Not determined due to potential health hazard by inhalation.	
pH value:	12,8 (7 g/l, 20 °C)	
Melting point:	359 - 400 °C (1.013 hPa) The substance / product decomposes.	(Directive 92/69/EEC, A.1)
decomposition point:	384 - 430 °C (1.013 hPa)	(Directive 92/69/EEC, A.1)
Boiling point:	(1.013 hPa) Cannot be distilled without decomposition at normal pressure.	(Directive 92/69/EEC, A.2)
Flash point:	Study technically not feasible.	
Evaporation rate:	The product is a non-volatile solid.	
Flammability:	Highly flammable.	(Directive 84/449/EEC, A.10)
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Vapour pressure:	< 0,000001 hPa (25 °C)	(calculated)

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Density:	1,7 g/cm <sup>3</sup> (20 °C) Literature data.	
Relative density:	1,7 (20 °C) Literature data.	
Relative vapour density (air):	The product is a non-volatile solid.	
Solubility in water:	Study scientifically not justified.	
Solubility (qualitative) solvent(s):	alcohols soluble	
Partitioning coefficient n-octanol/water (log Kow):	-0,72 (25 °C; pH value: < 13)	(calculated)
<i>Information on: Methanol</i>		
Partitioning coefficient n-octanol/water (log Kow):	-0,77 (20 °C) Literature data.	(measured)
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Self ignition:	Temperature: 70 °C Pressure: 1.013 hPa	Test type: Self-ignition at high temperatures. (Method: Directive 92/69/EEC, A.16)
	not self-igniting	Test type: Spontaneous self-ignition at room-temperature.
Thermal decomposition:	> 300 °C (DTA) The indicated value is for inert gas atmosphere. > 50 °C Risk of spontaneous ignition when exposed to air.	
Viscosity, dynamic:	Study technically not feasible.	
Viscosity, kinematic:	not applicable, the product is a solid	
Explosion hazard:	not explosive	(other)
Fire promoting properties:	not fire-propagating	

**Other information**

Self heating ability:	It is a substance capable of spontaneous heating.	
Bulk density:	approx. 900 kg/m <sup>3</sup> (< 40 °C)	(DIN 53466)
pK <sub>A</sub> :	15,17 (20 °C)	(calculated)
Hygroscopy:	hygroscopic	
Adsorption/water - soil:	KOC: 1 The product has not been tested. The statement has been derived from the properties of the hydrolysis products.	(calculated)
Adsorption:	Because of the n-octanol/water distribution coefficient (log P <sub>ow</sub> ) adsorption is not to be expected.	



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Surface tension:

Study scientifically not justified.

Grain size distribution

82,2 µm

(D10, ISO 13320-1;; particle size by laser diffraction)

20,2 µm

(D90, ISO 13320-1;; particle size by laser diffraction)

44,4 µm

(D50, ISO 13320-1;; particle size by laser diffraction)

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## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Formation of  
flammable gases:

Remarks:

Method:

The product liberates flammable  
gases in contact with water.  
Flammability (contact with water)

### Possibility of hazardous reactions

Exothermic reaction. Reacts with water and acids. Reacts with substances which contain active hydrogen. Self heating possible in the presence of air. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

### Conditions to avoid

Avoid contact with air.

### Incompatible materials

Substances to avoid:  
water, acids

### Hazardous decomposition products

Hazardous decomposition products:  
Potassium hydroxide, Methanol

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## 11. Toxicological Information

### Information on toxicological effects

#### Acute toxicity

Assessment of acute toxicity:

| The toxicity of the product is based on its corrosivity. Of moderate toxicity after single ingestion.

Experimental/calculated data:

LD50 rat (oral): &gt; 1.200 mg/kg (OECD Guideline 401)

The product has not been tested. The statement has been derived from the properties of the individual components. An aqueous solution was tested.

(by inhalation): Study does not need to be conducted.

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LD50 rabbit (dermal): > 2.000 mg/kg (BASF-Test)

No mortality was observed. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. An aqueous solution was tested.

*Information on: Methanol*

*Assessment of acute toxicity:*

*Of high toxicity after single ingestion. Of high toxicity after short-term inhalation. Of high toxicity after short-term skin contact.*

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*Information on: Potassium methanolate*

*Experimental/calculated data:*

*LD50 rat (oral): 1.687 mg/kg (OECD Guideline 401)*

*The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. An aqueous solution was tested.*

*Information on: Methanol*

*Experimental/calculated data:*

*LD50 rat (oral): > 1187 - 2769 mg/kg (BASF-Test)*

*Information on: Potassium hydroxide*

*Experimental/calculated data:*

*LD50 rat (oral): 333 mg/kg (OECD Guideline 425)*

*Literature data.*

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### Irritation

Assessment of irritating effects:

Corrosive! Damages skin and eyes.

The break through time determined in the in-vitro membrane barrier test indicates that the test substance is expected to cause skin necrosis in vivo within 14 days after a 1-hour exposure.

Experimental/calculated data:

Skin corrosion/irritation rabbit: Corrosive.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Skin corrosion/irritation: Corrosive. (OECD Guideline 435)

Serious eye damage/irritation rabbit: irreversible damage (BASF-Test)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

### Respiratory/Skin sensitization

Assessment of sensitization:

The substance did not cause skin sensitization in humans. Skin sensitizing effects were not observed in animal studies. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Experimental/calculated data:

Guinea pig maximization test guinea pig: Non-sensitizing. (similar to OECD guideline 406)

The product has not been tested.

Closed-patch Test human: Non-sensitizing. (Human patch test)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Germ cell mutagenicity

Assessment of mutagenicity:

The substance was not mutagenic in bacteria. The substance was not mutagenic in mammalian cell culture. The substance was not mutagenic in a test with mammals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Carcinogenicity

Assessment of carcinogenicity:

Study does not need to be conducted. The chemical structure does not suggest a specific alert for such an effect.

#### Reproductive toxicity

Assessment of reproduction toxicity:

Study does not need to be conducted. The chemical structure does not suggest a specific alert for such an effect.

#### Developmental toxicity

Assessment of teratogenicity:

Study does not need to be conducted. The chemical structure does not suggest a specific alert for such an effect.

#### Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

#### Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Study does not need to be conducted.

*Information on: methanol*

*Assessment of repeated dose toxicity:*

*The substance may cause blindness after repeated ingestion. The substance may cause blindness after repeated inhalation.*

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#### Aspiration hazard

Harmful if swallowed.

Other relevant toxicity information

The toxicity of the product is based on its corrosivity. The data given refers to the decomposition or transformation products.

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## 12. Ecological Information

### Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

The product has not been tested. The statement has been derived from the properties of the hydrolysis products. The product gives rise to pH shifts.

Toxicity to fish:

LC50 (96 h) 15.400 mg/l, *Lepomis macrochirus* (Fish test acute, Flow through.)

Literature data. The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

Aquatic invertebrates:

EC50 (48 h) > 10.000 mg/l, *Daphnia magna* (DIN 38412 Part 11, static)

Literature data. The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

EC50 (96 h) 18.260 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, semistatic)

Literature data.

The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

Aquatic plants:

EC50 (96 h) approx. 22.000 mg/l (growth rate), *Pseudokirchneriella subcapitata* (OECD Guideline 201, static)

Literature data. The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

Microorganisms/Effect on activated sludge:

EC50 (3 h) > 1.000 mg/l, activated sludge (OECD Guideline 209, static)

Literature data. The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

Chronic toxicity to fish:

No observed effect concentration (200 h) 7.900 mg/l, *Oryzias latipes* (static)

The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

No observed effect concentration (28 d) 446,7 mg/l, *Pimephales* sp. (calculated)

The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d) 208 mg/l, *Daphnia magna* (calculated)

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The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

*Information on: Methanol*

*Toxicity to fish:*

*LC50 (96 h) 15.400 mg/l, *Lepomis macrochirus* (other, Flow through.)*

*Information on: Methanol*

*Aquatic invertebrates:*

*EC50 (48 h) 18.260 mg/l, *Daphnia magna* (OECD Guideline 202, part 1, semistatic)*

*Information on: potassium hydroxide*

*Aquatic invertebrates:*

*EC50 (48 h) 40,4 mg/l, *Ceriodaphnia dubia* (other, static)*

*The product has not been tested. The statement has been derived from substances/products of a similar structure or composition. The product will cause changes in the pH value of the test system. The result refers to an unneutralized sample.*

*Information on: Methanol*

*Aquatic plants:*

*EC50 (96 h) approx. 22.000 mg/l (growth rate), *Selenastrum capricornutum* (OECD Guideline 201, static)*

*Information on: Methanol*

*Microorganisms/Effect on activated sludge:*

*EC50 (3 h) > 1.000 mg/l, (OECD Guideline 209, aquatic)*

*EC50 (24 h) 880 mg/l, *Nitrosomonas* sp. (Inhibition of nitrification, aquatic)*

Assessment of terrestrial toxicity:

No toxic effects have been observed in terrestrial studies.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Soil living organisms:

LC50 (48 h), *Eisenia foetida* (OECD Guideline 207, filter paper)

The details of the toxic effect relate to the nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

No observed effect concentration (63 d) 10.000 mg/kg, *Eisenia* sp. (other)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

No observed effect concentration (28 d) 1.000 mg/kg, *Folsomia candida* (other)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Terrestrial plants:

EC50 (72 h) 41000 mg/l, *Lactuca sativa* (other)

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

| No observed effect concentration (21 d) 1.555 mg/kg, terrestrial plants (other)  
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

| No observed effect concentration (14 d) 1.555 mg/kg, terrestrial plants (other)  
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Other terrestrial non-mammals:

(No data available.)

No data available.

### **Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):  
Readily biodegradable (according to OECD criteria).

Elimination information:

90 - 100 % BOD of the ThOD (20 d) (aerobic, activated sludge, domestic)

Literature data. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

*Information on: Methanol*

*Assessment biodegradation and elimination (H<sub>2</sub>O):*

*Readily biodegradable (according to OECD criteria).*

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Assessment of stability in water:

In contact with water the substance will hydrolyse rapidly.

### **Bioaccumulative potential**

Assessment bioaccumulation potential:

Does not significantly accumulate in organisms.

Bioaccumulation potential:

Bioconcentration factor: 4,5 (72 h), *Cyprinus carpio* (measured)

The product has not been tested. The statement has been derived from the properties of the hydrolysis products.

*Information on: Methanol*

*Assessment bioaccumulation potential:*

*Significant accumulation in organisms is not to be expected.*

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### **Mobility in soil**

Assessment transport between environmental compartments:

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption in soil: Adsorption to solid soil phase is not expected.

### **Results of PBT and vPvB assessment**

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not fulfill the criteria for PBT

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(Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative). Self classification

### Other adverse effects

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

### Additional information

Adsorbable organically-bound halogen (AOX):  
This product contains no organically-bound halogen.

Other ecotoxicological advice:

Do not release untreated into natural waters. Due to the pH-value of the product, neutralization is generally required before discharging sewage into treatment plants. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. After neutralization only the relatively minor harmful effect of the resulting salts remains. The local regulations on waste-water treatment must be followed.

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## 13. Disposal Considerations

### Waste treatment methods

Hydrolyze product with excess of water under usage of the personal protection equipment and dispose of in accordance with local authority regulations.  
Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

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## 14. Transport Information

### Land transport

ADR

UN number or ID number: UN3206  
UN proper shipping name: ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE, N.O.S. (POTASSIUM METHANOLATE)

Transport hazard class(es): 4.2, 8  
Packing group: II  
Environmental hazards: no  
Special precautions for user: Tunnel code: D/E

RID

UN number or ID number: UN3206

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UN proper shipping name: ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE,  
N.O.S. (POTASSIUM METHANOLATE)

Transport hazard class(es): 4.2, 8  
Packing group: II  
Environmental hazards: no  
Special precautions for user: None known

**Inland waterway transport**

ADN

UN number or ID number: UN3206  
UN proper shipping name: ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE,  
N.O.S. (POTASSIUM METHANOLATE)

Transport hazard class(es): 4.2, 8  
Packing group: II  
Environmental hazards: no  
Special precautions for user: None known

**Transport in inland waterway vessel**

Not evaluated

**Sea transport**

IMDG

UN number or ID number: UN 3206  
UN proper shipping name: ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE,  
N.O.S. (POTASSIUM METHANOLATE)

Transport hazard class(es): 4.2, 8  
Packing group: II  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-A; S-J

**Air transport**

IATA/ICAO

UN number or ID number: UN 3206  
UN proper shipping name: ALKALI METAL ALCOHOLATES, SELF-HEATING, CORROSIVE,  
N.O.S. (POTASSIUM METHANOLATE)

Transport hazard class(es): 4.2, 8  
Packing group: II  
Environmental hazards: No Mark as dangerous for the environment is needed



Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)

Date / Revised: 07.11.2023

Version: 1.2

Product: **K-Methylate Crystals**

(ID no. 30036705/SDS\_GEN\_00/EN)

Date of print 13.10.2025

Special precautions for user:          None known

### Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

### Further information

Specific national features of transport regulations must be observed. They are to be found in the shipping documents.

## 15. Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

## 16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Flam. Sol.	Flammable solids
Self-heat.	Self-heating substances and mixtures
Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Flam. Liq.	Flammable liquids
STOT SE	Specific target organ toxicity — single exposure
Met. Corr.	Corrosive to metals
H228	Flammable solid.
H251	Self-heating: may catch fire.
H314	Causes severe skin burns and eye damage.
H302	Harmful if swallowed.
H225	Highly flammable liquid and vapour.
H301 + H311 + H331	Toxic if swallowed, in contact with skin or if inhaled.
H370	Causes damage to organs (Central nervous system, Optic nerve).
H290	May be corrosive to metals.
EUH014	Reacts violently with water.
EUH071	Corrosive to the respiratory tract.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.