

Safety data sheet

Page: 1/52

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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

1.1. Product identifier

Na-Methylate Crystals

Chemical name: sodium methylate crystals

CAS Number: 124-41-4

REACH registration number: 01-2119519241-51-0012, 01-2119519241-51-0001

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

Relevant identified uses: industrial chemicals

Recommended use: initial product for chemical syntheses, process chemical

For the detailed identified uses of the product see appendix of the safety data sheet.

1.3. Details of the supplier of the safety data sheet

Company:

BASF SE
67056 Ludwigshafen
GERMANY

Contact address:

BASF plc
4th and 5th Floors, 2 Stockport Exchange
Railway Road, Stockport, SK1 3GG
UNITED KINGDOM

Telephone: +44 161 475 3000

E-mail address: product-safety-uk-and-ireland@basf.com

1.4. Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

Flam. Sol. 1	H228 Flammable solid.
Self-heat. 1	H251 Self-heating: may catch fire.
Acute Tox. 4 (oral)	H302 Harmful if swallowed.
Eye Dam./Irrit. 1	H318 Causes serious eye damage.
Skin Corr./Irrit. 1B	H314 Causes severe skin burns and eye damage.

According to BASF current knowledge and application of the criteria given in Annex I of Regulation (EC) No. 1272/2008, the following classification exceeding the classification given in Regulation (EC) No 1272/2008, Annex VI, Table 3.1 is required.

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

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

2.2. Label elements

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

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.

Precautionary Statements (Response):

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):

P501 Dispose of contents and container to hazardous or special waste collection point.

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

Labeling of special preparations (GHS):

EUH014: Reacts violently with water.

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

EUH071: Corrosive to the respiratory tract.

Hazard determining component(s) for labelling: sodium methanolate

2.3. Other hazards

According to GB-CLP Regulations UK SI 2019/720 and UK SI 2020/1567

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.

The product does not contain a substance above legal limits fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Chemical nature

| sodium methanolate (Content (W/W): 100 %)

| CAS Number: 124-41-4

| EC-Number: 204-699-5

| INDEX-Number: 603-040-00-2

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

For the classifications not written out in full in this section, including the hazard classes and the hazard statements, the full text is listed in section 16.

3.2. Mixtures

Not applicable

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

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). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

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.

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

Symptoms: skin corrosion, Eye irritation, Further symptoms are possible

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

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

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media:

dry powder, Dry sand, alcohol-resistant foam

Unsuitable extinguishing media for safety reasons:

water, carbon dioxide

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

5.2. Special hazards arising from the substance or mixture

Advice: Reacts violently with water. See SDS section 7 - Handling and storage.

Endangering substances: sodium oxides, organic vapours, corrosive gases/vapours, carbon oxides

Advice: Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

5.3. 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.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Do not allow to enter soil, waterways or waste water channels.

6.3. 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.

6.4. Reference to other sections

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

SECTION 7: Handling and Storage

7.1. 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. Handle in protective atmosphere.

Protection against fire and explosion:

Take precautionary measures against static discharges. Sources of ignition should be kept well clear. Fire extinguishers should be kept handy. Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Segregate from acids and acid forming substances.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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

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

7.3. Specific end use(s)

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

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

Components with occupational exposure limits

The mentioned substance is result of gradual decomposition under influence of atmospheric humidity.

67-56-1: methanol

Skin Designation (WEL/EH 40 (UK))

The substance can be absorbed through the skin.

TWA value 266 mg/m³ ; 200 ppm (WEL/EH 40 (UK))

Skin Designation (OEL (EU))

The substance can be absorbed through the skin.

TWA value 260 mg/m³ ; 200 ppm (OEL (EU))

indicative

STEL value 333 mg/m³ ; 250 ppm (WEL/EH 40 (UK))

Ceiling limit value/factor: 15 min

1310-73-2: sodium hydroxide

STEL value 2 mg/m³ (WEL/EH 40 (UK))

Ceiling limit value/factor: 15 min

PNEC

| freshwater: 154 mg/l

| marine water: 15.4 mg/l

| intermittent release: 1540 mg/l

| sediment (freshwater): 570.4 mg/kg

| sediment (marine water): 57.04 mg/kg

| soil: 23.5 mg/kg

| STP: 100 mg/l

| oral (secondary poisoning):

No PNEC oral derived, as accumulation in organisms is not to be expected.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

DNEL

No DNELs have been derived.

8.2. 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

fluoroelastomer (FKM) - 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.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Form: powder, crystalline

Colour: colourless

Odour: odourless

Odour threshold: Not determined due to potential health hazard by inhalation.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

pH value:	12.8 (10 g/l, 20 °C) Literature data.	
melting point (decomposition):	> 350 °C The substance / product decomposes therefore not determined.	(Directive 92/69/EEC, A.1)
Boiling point:	> 350 °C (1,013.25 hPa) The substance / product decomposes therefore not determined.	(Directive 92/69/EEC, A.2)
Flash point:	not applicable, Study scientifically not justified.	
Evaporation rate:	The product is a non-volatile solid.	
Flammability:	Flammable solid.	(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)
Density:	1.3 g/cm ³ (20 °C) Literature data.	
Relative density:	No data available.	
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 K _{ow}):	-0.72 (25 °C; pH value: < 13)	(calculated)
<i>Information on: methanol</i>		
Partitioning coefficient n-octanol/water (log K _{ow}):	-0.77 (20 °C) Literature data.	(measured)

Self ignition:	not self-igniting	Test type: Spontaneous self-ignition at room-temperature.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

	Temperature: > 25 - < 50 °C Pressure: 1,013 hPa No self ignition was observed up to the specified temperature.	Test type: Self-ignition at high temperatures. (Method: Directive 92/69/EEC, A.16)
Thermal decomposition:	> 280 °C Thermal decomposition above the indicated temperature is possible. 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:	Study technically not feasible.	
Explosion hazard:	Study technically not feasible. Based on the chemical structure there is no indication of explosive properties.	
Fire promoting properties:	not fire-propagating	

9.2. Other information

Burning rate:	approx. 15 mm/s	
Self heating ability:	It is a substance capable of spontaneous heating.	
Bulk density:	500 - 600 kg/m ³ (< 40 °C)	(DIN 53466)
pK _A :	15.17 (20 °C)	(calculated)
Hygroscopy:	hygroscopic	
Adsorption/water - soil:	KOC: 1	(calculated)
	The product has not been tested. The statement has been derived from the properties of the hydrolysis products.	
Surface tension:	Based on chemical structure, surface activity is not to be expected.	
Grain size distribution	3.6 µm	(D10, ISO 13320-1;; particle size by laser diffraction)
	135.7 µm	(D90, ISO 13320-1;; particle size by laser diffraction)
	69.9 µm	(D50, ISO 13320-1;; particle size by laser diffraction)

SECTION 10: Stability and Reactivity

10.1. Reactivity

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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

Corrosion to metals:	Corrodes metals in the presence of water or moisture.
Formation of flammable gases:	Remarks: Forms no flammable gases in the presence of water.
	Method: Manual of tests and criteria. Test N.5 (United Nations Recommendations on the Transport of Dangerous Goods).

10.2. Chemical stability

| The product is stable if stored and handled as prescribed/indicated.

10.3. 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.

10.4. Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid moisture. Avoid electro-static charge. Avoid heat.

10.5. Incompatible materials

Substances to avoid:

| water, acids

10.6. Hazardous decomposition products

Hazardous decomposition products:
methanol, sodium hydroxide

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

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

Experimental/calculated data:

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

| LD50 rat (dermal): > 2,000 mg/kg (BASF-Test)

| No mortality was observed. An aqueous solution was tested.

Information on: methanol

Assessment of acute toxicity:

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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

Irritation

Assessment of irritating effects:

| Corrosive! Damages skin and eyes.

Experimental/calculated data:

Skin corrosion/irritation

| rabbit: Corrosive. (similar to OECD guideline 404)

Serious eye damage/irritation

| rabbit: irreversible damage (BASF-Test)

Respiratory/Skin sensitization

Assessment of sensitization:

| As the substance is corrosive, conducting sensitization studies is not feasible. The chemical structure does not suggest a sensitizing effect.

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 fully tested. The statements have been derived in parts from 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)

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

No data available.

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

Assessment of repeated dose toxicity:

Study does not need to be conducted. The chemical structure does not suggest a specific alert of toxicity on target organs after repeated exposure.

Information on: methanol

Assessment of repeated dose toxicity:

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

Aspiration hazard

Harmful if swallowed.

SECTION 12: Ecological Information

12.1. 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 (96 h) 18,260 mg/l, *Daphnia magna* (DIN 38412 Part 11, 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)

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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 (30 d) 450 mg/l, *Pimephales promelas* (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)

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

Information on: sodium hydroxide

Assessment of aquatic toxicity:

Depending on local conditions and existing concentrations, disturbances in the biodegradation process of activated sludge are possible. There is a high probability that the product is not acutely harmful to aquatic organisms.

The effect strongly depends on the pH-value. The data refers to the dissociated form of the substance.

Information on: methanol

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.

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.

Information on: sodium hydroxide

Toxicity to fish:

*LC50 (96 h) 125 mg/l, *Gambusia affinis* (other, static)*

The product will cause changes in the pH value of the test system. The result refers to an unneutralized sample. Literature data.

Information on: methanol

Toxicity to fish:

*LC50 (96 h) 15,400 mg/l, *Lepomis macrochirus* (other, Flow through.)*

Information on: sodium hydroxide

Aquatic invertebrates:

*EC50 (48 h) 40.4 mg/l, *Ceriodaphnia* sp. (other, static)*

Literature data.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Information on: methanol

Aquatic invertebrates:

EC50 (48 h) 18,260 mg/l, Daphnia magna (OECD Guideline 202, part 1, semistatic)

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.

Soil living organisms:

No observed effect concentration (63 d) 10,000 mg/kg, Eisenia foetida (OECD Guideline 222, artificial soil)

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.

Terrestrial plants:

EC50 41,000 mg/l, Lactuca sativa

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

No observed effect concentration 1,555 mg/kg, terrestrial plants

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.

12.2. Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Elimination information:

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

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

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Information on: methanol

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Information on: methanol

Elimination information:

95 % BOD of the ThOD (20 d) (OECD 301D; 92/69/EWG, C.4-E) (aerobic, activated sludge, domestic, non-adapted) Readily biodegradable (according to OECD criteria).

Assessment of stability in water:

In contact with water the substance will hydrolyse rapidly.

Study technically not feasible.

12.3. Bioaccumulative potential

Assessment bioaccumulation potential:

Does not significantly accumulate in organisms.

Bioaccumulation potential:

Bioconcentration factor (BCF): 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: sodium hydroxide

Assessment bioaccumulation potential:

Accumulation in organisms is not to be expected.

Information on: methanol

Assessment bioaccumulation potential:

Significant accumulation in organisms is not to be expected.

12.4. 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.

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

12.6. Other adverse effects

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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

12.7. 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. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. The local regulations on waste-water treatment must be followed.

SECTION 13: Disposal Considerations

13.1. 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.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

This product and any uncleaned containers must be disposed of as hazardous waste in accordance with the 2005 Hazardous Waste Regulations and amendments (United Kingdom)

Contaminated packaging:

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

SECTION 14: Transport Information

Land transport

ADR

UN number or ID number: UN1431
UN proper shipping name: SODIUM METHYLATE
Transport hazard class(es): 4.2, 8
Packing group: II
Environmental hazards: no
Special precautions for user: Tunnel code: D/E

RID

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

UN number or ID number: UN1431
UN proper shipping name: SODIUM METHYLATE
Transport hazard class(es): 4.2, 8
Packing group: II
Environmental hazards: no
Special precautions for user:

Inland waterway transport

ADN

UN number or ID number: UN1431
UN proper shipping name: SODIUM METHYLATE
Transport hazard class(es): 4.2, 8
Packing group: II
Environmental hazards: no
Special precautions for user:

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

UN number or ID number: UN 1431
UN proper shipping name: SODIUM METHYLATE
Transport hazard class(es): 4.2, 8
Packing group: II
Environmental hazards: no
Marine pollutant: NO
Special precautions for user:

Air transport

IATA/ICAO

UN number or ID number: UN 1431
UN proper shipping name: SODIUM METHYLATE
Transport hazard class(es): 4.2, 8
Packing group: II
Environmental hazards: No Mark as dangerous for the environment is needed
Special precautions for user:

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

14.1. UN number or ID number

See corresponding entries for "UN number or ID number" for the respective regulations in the tables above.

14.2. UN proper shipping name

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

14.3. Transport hazard class(es)

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

14.4. Packing group

See corresponding entries for "Packing group" for the respective regulations in the tables above.

14.5. Environmental hazards

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

14.6. Special precautions for user

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

14.7. Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

Further information

This product is subject to the most recent edition of "The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations" and their amendments (United Kingdom).

SECTION 15: Regulatory Information

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

Prohibitions, Restrictions and Authorizations

UK REACH SI, Annex XVII, Marketing and Use Restrictions
Number on List: 69

UK REACH SI, Annex XVII, Marketing and Use Restrictions
Number on List: 40

methanol

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Directive 2012/18/EU - Control of Major Accident Hazards involving dangerous substances (EU):
List entry in regulation: O1

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

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

15.2. Chemical Safety Assessment

Chemical Safety Assessment performed

SECTION 16: Other Information

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

Flam. Sol.	Flammable solids
Self-heat.	Self-heating substances and mixtures
Acute Tox.	Acute toxicity
Eye Dam./Irrit.	Serious eye damage/eye irritation
Skin Corr./Irrit.	Skin corrosion/irritation
H228	Flammable solid.
H251	Self-heating: may catch fire.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

Abbreviations

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN = The European Agreement concerning the International Carriage of Dangerous Goods by Inland waterways. ATE = Acute Toxicity Estimates. CAO = Cargo Aircraft Only. CAS = Chemical Abstract Service. CLP = Classification, Labelling and Packaging of substances and mixtures. DIN = German national organization for standardization. DNEL = Derived No Effect Level. EC50 = Effective concentration median for 50% of the population. EC = European Community. EN = European Standards. IARC = International Agency for Research on Cancer. IATA = International Air Transport Association. IBC-Code = Intermediate Bulk Container code. IMDG = International Maritime Dangerous Goods Code. ISO = International Organization for Standardization. STEL = Short-Term Exposure Limit. LC50 = Lethal concentration median for 50% of the population. LD50 = Lethal dose median for 50% of the population. TLV = Threshold Limit Value. MARPOL = The International Convention for the Prevention of Pollution from Ships. NEN = Dutch Norm. NOEC = No Observed Effect Concentration. OEL = Occupational Exposure Limit. OECD = Organization for Economic Cooperation and Development. PBT = Persistent, Bioaccumulative and Toxic. PNEC = Predicted No Effect Level. PPM = Parts per million. RID = The European Agreement concerning the International Carriage of Dangerous Goods by Rail. TWA = Time Weight Average. UN-number = UN number at transport. vPvB = very Persistent and very Bioaccumulative.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

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.

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Annex: Exposure Scenarios

Index

1. Distribution of substance

ERC2; PROC1, PROC5, PROC8a, PROC8b, PROC9, PROC15

2. Use as an intermediate

SU4, SU8, SU9, SU11, SU12; ERC6a; PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9

3. Use in chemical synthesis

SU4, SU8, SU9, SU11, SU12; ERC6b; PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15

4. Use as laboratory reagent/agent

ERC8b; PROC15

1. Short title of exposure scenario

Distribution of substance

ERC2; PROC1, PROC5, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC2: Formulation into mixture As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Exposure estimate and reference to its source	
Assessment method	Qualitative assessment
Contributing exposure scenario	
Use descriptors covered	PROC5: Mixing or blending in batch processes Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

2. Short title of exposure scenario

Use as an intermediate

SU4, SU8, SU9, SU11, SU12; ERC6a; PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9

Control of exposure and risk management measures

Contributing exposure scenario

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Use descriptors covered	ERC6a: Use of intermediate As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

	Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Contributing exposure scenario	
Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

3. Short title of exposure scenario

Use in chemical synthesis

SU4, SU8, SU9, SU11, SU12; ERC6b; PROC1, PROC2, PROC3, PROC4, PROC8a, PROC8b, PROC9, PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC6b: Use of reactive processing aid at industrial site (no inclusion into or onto article) As no environmental hazard was identified no

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

	environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions. Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition Use domain: industrial

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC4: Chemical production where opportunity for exposure arises Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Use descriptors covered	PROC8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment

Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: industrial
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur.	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	
Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Assessment method	Qualitative assessment
-------------------	------------------------

4. Short title of exposure scenario

Use as laboratory reagent/agent
ERC8b; PROC15

Control of exposure and risk management measures

Contributing exposure scenario	
Use descriptors covered	ERC8b: Widespread use of reactive processing aid (no inclusion into or onto article, indoor) As no environmental hazard was identified no environmental-related exposure assessment and risk characterization was performed.
Operational conditions	
Contributing exposure scenario	
Use descriptors covered	PROC15: Use a laboratory reagent. Use domain: professional
Operational conditions	
Physical state	Solid, low dustiness
Vapour pressure of the substance during use	0.000001 Pa
Risk Management Measures	
Provide specific employee training to prevent/minimize exposures. Ensure good work practices are implemented. Avoid contact with contaminated tools. Avoid skin contact. Clean up contamination as soon as they occur. Ensure that no inhalable dusts are generated. Regular inspection and maintenance of equipment and machines. Restrict access to authorised persons. Supervision in place to check that the RMMs in place are being used correctly and OCs followed. Wash off any skin contamination immediately. Avoid splashing. Avoid manual contact with wet work pieces Equipment must be decontaminated prior to repair or maintenance. Minimise number of staff exposed. Ensure that near miss events are documented. Ensure minimization of manual phases	

BASF Safety data sheet according to Regulation UK SI 2019/758 and UK SI 2020/1577 as amended from time to time.

Date / Revised: 14.11.2023

Version: 16.0

Date previous version: 12.01.2023

Previous version: 15.0

Date / First version: 28.01.2003

Product: **Na-Methylate Crystals**

(ID no. 30036694/SDS_GEN_GB/EN)

Date of print 07.10.2025

Containment as appropriate Ensure containment of the emission source and provide extract ventilation to points where emission occur Handle substance within closed system. Ensure samples are obtained under containment or extract ventilation.	
Personal measures have to be applied in case of potential exposure only., Wear suitable coveralls to prevent exposure to the skin., Avoid inhalation of the product., Wear suitable chemically resistant gloves with sleeves., Wear suitable face shield, Wear suitable working clothes., Change gloves, if duration of activity exceeds break through time	
Avoid contact with eyes.	
Use suitable eye protection.	
Avoid skin contact. Change clothes immediately after contamination. Provide specific employee training to prevent/minimize exposures. Restrict access to authorised persons. Wash off any skin contamination immediately.	
Wear suitable face shield, Wear suitable working clothes., Wear suitable chemically resistant gloves with sleeves., Wear suitable coveralls to prevent exposure to the skin.	
Restrict access to authorised persons.	
Wear suitable respiratory protection.	
Exposure estimate and reference to its source	
Assessment method	Qualitative assessment
