

Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 09.05.2018

Version: 2.0

Product: **Basocorr™. PP**

(ID no. 30430406/SDS_GEN_IL/EN)

Date of print 21.09.2023

1. Identification

Product identifier

Basocorr™. PP

Chemical name: Korantin PP

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

Relevant identified uses: Performance Chemicals for Oilfield Applications

Details of the supplier of the safety data sheet

Company:

BASF SE

67056 Ludwigshafen

GERMANY

Global Oilfield Solutions

Telephone: +49 621 60-0

E-mail address: RegXcellenceOilfieldMining@basf.com

Emergency telephone number

International emergency number:

Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 4 (oral)

Eye Dam./Irrit. 1

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

Label elements

Globally Harmonized System (GHS)

Pictogram:



Signal Word:

Danger

Hazard Statement:

H318

Causes serious eye damage.

H302

Harmful if swallowed.

Precautionary Statements (Prevention):

P280

Wear eye/face protection.

P270

Do not eat, drink or smoke when using this product.

P264

Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P310

Immediately call a POISON CENTER or doctor/physician.

P305 + P351 + P338

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

P301 + P330

IF SWALLOWED: rinse mouth.

Precautionary Statements (Disposal):

P501

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

According to UN GHS criteria

Hazard determining component(s) for labelling: 2-Propyn-1-ol, compd. with methyloxirane

Other hazards

According to UN GHS criteria

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/Information on Ingredients

Substances

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Chemical nature

propoxylated, in water

| prop-2-yn-1-ol; propargyl alcohol

| CAS Number: 107-19-7

| EC-Number: 203-471-2

| INDEX-Number: 603-078-00-X

Hazardous ingredients (GHS)

According to UN GHS criteria

| prop-2-yn-1-ol; propargyl alcohol

| Content (W/W): $\geq 0\%$ - $< 1\%$

| CAS Number: 107-19-7

| EC-Number: 203-471-2

| INDEX-Number: 603-078-00-X

Flam. Liq. 3

Acute Tox. 2 (Inhalation - vapour)

Acute Tox. 3 (oral)

Acute Tox. 2 (dermal)

Skin Corr./Irrit. 1B

Eye Dam./Irrit. 1

STOT RE (Liver, Kidney) 2

Aquatic Acute 2

H226, H301, H373, H314, H310 + H330, H401

| 2-Propyn-1-ol, compd. with methyloxirane

| Content (W/W): $\geq 25\%$ - $< 75\%$

| CAS Number: 38172-91-7

Acute Tox. 4 (oral)

Eye Dam./Irrit. 1

H318, H302

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

Mixtures

Not applicable

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

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.

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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 of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Indication of any immediate medical attention and special treatment needed

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

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Special hazards arising from the substance or mixture

harmful vapours

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

Advice for fire-fighters

Special protective equipment:
Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For large amounts: Dike spillage. Pump off product.

For residues: Pick up with suitable absorbent material.

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Dispose of absorbed material in accordance with regulations.

7. Handling and Storage

Precautions for safe handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Suitable materials for containers: High density polyethylene (HDPE), Low density polyethylene (LDPE)

Further information on storage conditions: Keep container tightly closed and in a cool place.

Protect from temperatures below: -10 °C

Protect from temperatures above: 80 °C

Specific end use(s)

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

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

| No occupational exposure limits known.

Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

Hand protection:

Chemical resistant protective gloves (EN 374)

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

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

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.

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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

Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid	
Colour:	yellow to brown	
Odour:	product specific	
Odour threshold:		
	not determined	
pH value:	9	(DIN ISO 976)
	(100 g/l)	
solidification temperature:	approx. -16 °C	
Boiling point:	approx. 100 °C	
Flash point:	> 88 °C	(DIN ISO 2592)
	No flash point - Measurement made up to the indicated temperature, pilot light extinguishes.	
Evaporation rate:		
	No data available.	
Flammability:	hardly combustible	
Lower explosion limit:		
	For liquids not relevant for classification and labelling.	
Upper explosion limit:		
	For liquids not relevant for classification and labelling.	
Ignition temperature:	> 200 °C	(DIN 51794)
Vapour pressure:	20 mbar	
	(20 °C)	
	120 mbar	
	(50 °C)	
Density:	1,0 g/cm ³	(DIN 51757)
	(20 °C)	
Relative density:	1,0	
	(20 °C)	
Relative vapour density (air):		
	not determined	

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Solubility in water: completely soluble
(15 °C)
Solubility (qualitative) solvent(s): organic solvents
soluble
Solubility (quantitative) :
approx. 450 g/l

Information on: 2-Propyn-1-ol, compd. with methyloxirane

Partitioning coefficient n-octanol/water (log Kow): 0,0 (OECD Guideline 107)
(24 °C; pH value: 6,4 - 6,9)

Self ignition: not self-igniting

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic:

not determined

Viscosity, kinematic: < 100 mm²/s
(20 °C)

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Other information

Surface tension: 55,7 mN/m

Grain size distribution: The substance / product is marketed or used in a non solid or granular form.

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity

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

Chemical stability

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

Possibility of hazardous reactions

Reacts with alkalis. Reacts with acids. Reacts with heavy metal salts. Reacts with oxidizing agents.

Conditions to avoid

See MSDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

acids, strong bases, strong oxidizing agents, heavy metal salts

Hazardous decomposition products

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Hazardous decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Experimental/calculated data:**LD50 rat (oral): > 464 - < 2.150 mg/kg (BASF-Test)*
-----*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Experimental/calculated data:**rat (by inhalation): 7 h (IRT)**Inhalation-risk test (IRT): No mortality within 7 hours as shown in animal studies. The inhalation of a highly saturated vapor-air mixture represents no acute hazard.*
-----*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Experimental/calculated data:**LD50 rat (dermal): > 2.000 mg/kg (OECD Guideline 402)**No mortality was observed.*

Irritation

*Experimental/calculated data:**Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)**Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)*

Respiratory/Skin sensitization

*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Assessment of sensitization:**Skin sensitizing effects were not observed in animal studies.*

Germ cell mutagenicity

*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Assessment of mutagenicity:**Most of the results from the available studies show no evidence of a mutagenic effect.*

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Carcinogenicity

Information on: 2-Propyn-1-ol, compd. with methyloxirane

Assessment of carcinogenicity:

No data available concerning carcinogenic effects.

Reproductive toxicity

Information on: 2-Propyn-1-ol, compd. with methyloxirane

Assessment of reproduction toxicity:

The results of animal studies gave no indication of a fertility impairing effect. The results were determined in a Screening test (OECD 421/422).

Developmental toxicity

Information on: 2-Propyn-1-ol, compd. with methyloxirane

Assessment of teratogenicity:

No indications of a developmental toxic / teratogenic effect were seen in animal studies. The results were determined in a Screening test (OECD 421/422).

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Apart from effects causing lethality, no specific target organ toxicity was observed in experimental studies.

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

Information on: 2-Propyn-1-ol, compd. with methyloxirane

Assessment of repeated dose toxicity:

The substance may cause damage to the liver after repeated ingestion. The substance may cause damage to the kidney after repeated ingestion.

Aspiration hazard

No data available.

12. Ecological Information

Toxicity

Toxicity to fish:

LC50 (96 h) > 100 mg/l, *Leuciscus idus*

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Chronic toxicity to fish:

No data available.

Chronic toxicity to aquatic invertebrates:

No data available.

*Information on: 2-Propyn-1-ol, compd. with methyloxirane**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.*
-----*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Aquatic invertebrates:**EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)**The details of the toxic effect relate to the nominal concentration. Limit concentration test only (LIMIT test).**EC50 (48 h) 233,57 mg/l, Arcatia tonsa (ISO 14669, static)**An aqueous solution was tested.**LC50 (10 d) 7.999 mg/l, Corophium volutator (, static)**An aqueous solution was tested.*
-----*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Aquatic plants:**EC10 (72 h) > 100 mg/l (growth rate), Desmodesmus subspicatus (OECD Guideline 201, static)**The details of the toxic effect relate to the nominal concentration. Limit concentration test only (LIMIT test).**EC50 (72 h) > 100 mg/l (growth rate), Desmodesmus subspicatus (OECD Guideline 201, static)**The details of the toxic effect relate to the nominal concentration. Limit concentration test only (LIMIT test).**EC50 (72 h) 289,17 mg/l (growth rate), Skeletonema costatum (ISO/DIS 10253, static)**An aqueous solution was tested.*
-----*Information on: 2-Propyn-1-ol, compd. with methyloxirane**Microorganisms/Effect on activated sludge:**EC50 (17 h) > 10.000 mg/l, Pseudomonas putida (DIN 38412 Part 8, aerobic)**The details of the toxic effect relate to the nominal concentration.*

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

Information on: 2-Propyn-1-ol, compd. with methyloxirane

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Assessment of terrestrial toxicity:
No data available.

Persistence and degradability

Elimination information:

90 - 100 % DOC reduction (21 d) (OECD 301 A (new version)) Readily biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:

Accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments:

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

Results of PBT and vPvB assessment

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

Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

13. Disposal Considerations

Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable

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Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Transport in bulk according to Annex II of MARPOL and the IBC Code

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

15. Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

16. Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

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

Acute Tox.	Acute toxicity
Eye Dam./Irrit.	Serious eye damage/eye irritation
Flam. Liq.	Flammable liquids

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Skin Corr./Irrit.	Skin corrosion/irritation
STOT RE	Specific target organ toxicity — repeated exposure
Aquatic Acute	Hazardous to the aquatic environment - acute
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H373	May cause damage to organs (Liver, Kidney) through prolonged or repeated exposure.
H314	Causes severe skin burns and eye damage.
H310 + H330	Fatal in contact with skin or if inhaled
H401	Toxic to aquatic life.
H318	Causes serious eye damage.
H302	Harmful if swallowed.

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.