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Safety Data Sheet

Basorol® PE 10500

Revision date : 2023/08/11

Version: 4.0

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(30434551/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

Basorol® PE 10500

Recommended use of the chemical and restriction on use

Recommended use*: Performance Chemicals for Oilfield Applications

* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
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Florham Park, NJ 07932, USA
Global Oilfield Chemicals

Telephone: +49 621 60-0

E-mail address: RegXcellenceOilfieldChemicals@basf.com

Emergency telephone number

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: unspecified

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

No need for classification according to GHS criteria for this product.

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Label elements

The product does not require a hazard warning label in accordance with GHS criteria.

Hazards not otherwise classified

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

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Under the referenced regulation, this product does not contain any components classified for health hazards above the relevant cut off value.

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing. If adverse health effects develop seek medical attention.

If inhaled:

Keep patient calm, remove to fresh air.

If on skin:

Wash thoroughly with soap and water

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

If swallowed:

Rinse mouth and then drink 200-300 ml of water.

Most important symptoms and effects, both acute and delayed

Symptoms: (Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

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Special hazards arising from the substance or mixture

Hazards during fire-fighting:

harmful vapours, carbon oxides

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

Advice for fire-fighters

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

Further accidental release measures:

Forms slippery surfaces with water.

Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid inhalation. Use personal protective clothing.

Environmental precautions

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

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Pick up with suitable appliance and dispose of.

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: Low density polyethylene (LDPE), High density polyethylene (HDPE), Stove-lacquer RDL 50, Stainless steel 1.4301 (V2), Stainless steel 1.4306 (V2A), Stainless steel 1.4361, Stainless steel 1.4401, Stainless steel 1.4541, Stainless steel 1.4571, Stainless steel 1.4439, Stainless steel 1.4539

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

The packed product is not damaged by low temperatures or by frost. Bulk must be protected from solidification.

Protect from temperatures above: 70 °C

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Properties of the product change irreversibly on exceeding the limit temperature.

8. Exposure Controls/Personal Protection

No substance specific occupational exposure limits known.

Personal protective equipment

General safety and hygiene measures:

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

Form:	waxy type	
Odour threshold:	not determined	
Colour:	colourless to yellowish	
pH value:	approx. 7 (50 g/l, 23 °C)	(DIN EN 1262)
solidification temperature:	approx. 44 °C	(DIN ISO 2207)
Boiling point:	> 250 °C	(estimated)
Flash point:	280 °C	(ISO 2719)
Flammability:	Based on the structure or composition there is no indication of flammability	
Lower explosion limit:	For solids not relevant for classification and labelling.	
Upper explosion limit:	For solids not relevant for classification and labelling.	
Autoignition:	> 300 °C	(other)
Vapour pressure:	< 0.1 hPa (20 °C)	(estimated)
Density:	approx. 1.03 g/cm ³ (60 °C)	(DIN 51757)
Bulk density:	not applicable	
Vapour density:	not determined	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	> 300 °C (DTA)	
Viscosity, dynamic:	800 mPa.s (50 °C)	
Viscosity, kinematic:	not applicable, the product is a solid	
Particle size:	The substance / product is marketed or used in a non solid or granular form.	
Solubility in water:	soluble	
Miscibility with water:	miscible in all proportions	
Solubility (qualitative):	soluble solvent(s): distilled water, aromatic hydrocarbons, Ethanol, propan-2-ol	
Evaporation rate:	The product is a non-volatile solid.	

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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.

Corrosion to metals:

Corrosive effects to metal are not anticipated.

Oxidizing properties:

not fire-propagating

Chemical stability

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

Possibility of hazardous reactions

No hazardous reactions when stored and handled according to instructions.

Conditions to avoid

See SDS section 7 - Handling and storage.

Incompatible materials

caustics, halogens, Alkalines, acids, reactive chemicals, strong oxidizing agents

Hazardous decomposition products

Decomposition products:

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

Thermal decomposition:

> 300 °C (DTA)

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion.

Oral

Type of value: LD50

Species: rat

Value: > 5,000 mg/kg (OECD Guideline 401)

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Inhalation

Type of value: LC50

Species: rat (male/female)

Value: > 1,37 mg/l (OECD Guideline 403)

Exposure time: 4 h

Highest concentration technically achievable. No mortality was observed.

Dermal

Type of value: LD50

Species: rat

not determined

Assessment other acute effects

No data available.

Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

Skin

Species: rabbit

Result: non-irritant

Method: Draize test

Eye

Species: rabbit

Result: non-irritant

Method: Draize test

Sensitization

Assessment of sensitization: No sensitizing effect.

Species: In vitro assay

Result: Non-sensitizing.

Method: OECD Guideline 442D

Aspiration Hazard

not applicable

Chronic Toxicity/Effects

Repeated dose toxicity

Assessment of repeated dose toxicity: Not classified, due to lack of data.

Genetic toxicity

Assessment of mutagenicity: The substance was not mutagenic in bacteria.

Genetic toxicity in vitro: OECD Guideline 471 S. typhimurium, E. coli:negative

Carcinogenicity

Assessment of carcinogenicity: Not classified, due to lack of data.

Reproductive toxicity

Assessment of reproduction toxicity: Not classified, due to lack of data.

Teratogenicity

Assessment of teratogenicity: Not classified, due to lack of data.

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12. Ecological Information

Toxicity

Aquatic toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

Toxicity to fish

LC50 (96 h) > 100 mg/l, Oncorhynchus mykiss (OECD 203; ISO 7346; 92/69/EEC, C.1)

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna

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

Aquatic plants

EC50 (72 h), algae
not determined

Chronic toxicity to fish

No data available.

Chronic toxicity to aquatic invertebrates

No data available.

Assessment of terrestrial toxicity

No data available concerning terrestrial toxicity.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

bacteria/EC50 (0.5 h):
not determined

Persistence and degradability

Elimination information

10 - 20 % CO₂ formation relative to the theoretical value (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic)

Mobility in soil

Assessment transport between environmental compartments

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

Adsorption to solid soil phase is possible.

Additional information

Add. remarks environm. fate & pathway:

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

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Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal considerations

14. Transport Information

Land transport
USDOT

Not classified as a dangerous good under transport regulations

Sea transport
IMDG

Not classified as a dangerous good under transport regulations

Air transport
IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

WARNING: This product can expose you to chemicals including ETHYLENE OXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

NFPA Hazard codes:

Health: 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:

BASF NA Product Regulations
SDS Prepared on: 2023/08/11

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