

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830

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Compilation date: 09.02.2016

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Revision No: 1.1

Section 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier****Product name:** BLUE STAR OCEAN**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Multi purpose cleaner for professional users**1.3. Details of the supplier of the safety data sheet****Company name:** KLEEN PURGATIS GmbH

Dieselstraße 10

D - 32120 Hiddenhausen

Deutschland

Tel: +49 (0)5223 - 9970-40**Fax:** +49 (0)5223 - 9970-195**Email:** info@kleen-purgatis.de**1.4. Emergency telephone number****Emergency tel:** +49 (0)551 - 19240 (GIZ-Nord)**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** -: EUH208**Most important adverse effects:** Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one.
May produce an allergic reaction.**2.2. Label elements****Label elements:****Hazard statements:** EUH208: Contains 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one.
May produce an allergic reaction.**2.3. Other hazards****PBT:** This product is not identified as a PBT/vPvB substance.**Section 3: Composition/information on ingredients****3.2. Mixtures**

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Hazardous ingredients:

ETHANOL - REACH registered number(s): 01-2119457610-43-0000

EINECS	CAS	SCL	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	1-5%

1-PROPOXY-2-PROPANOL - REACH registered number(s): 01-2119474443-37-0000

216-372-4	1569-01-3	-	Flam. Liq. 3: H226; Eye Irrit. 2: H319	1-3%
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FATTY ALCOHOL ALCOXYLATE

-	120313-48-6	-	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Acute 1: H400; Aquatic Chronic 3: H412	0.5-1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Move affected person into fresh air.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be pain and redness.

Ingestion: Nausea and stomach pain may occur.

Inhalation: Not applicable.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: not necessary.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: not necessary.

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6.2. Environmental precautions

Environmental precautions: Dilute with water.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Wash the spillage site with large amounts of water. Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Storage class: 12
(Non-combustible liquids)

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): GISCODE: GU50

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

*DNEL/PNEC Values

Hazardous ingredients:

ETHANOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	343 mg/kg	Workers	Systemic
DNEL	Inhalation	1900 mg/m ³	Workers	Local
DNEL	Inhalation (repeated dose)	950 mg/m ³	Workers	Systemic
PNEC	Fresh water	0,96 mg/l	-	-
PNEC	Marine water	0,79 mg/l	-	-

1-PROPOXY-2-PROPANOL

Type	Exposure	Value	Population	Effect
DNEL	Inhalation (repeated dose)	217 mg/m ³	Workers	Systemic
DNEL	Inhalation (repeated dose)	26 mg/m ³	Population	Systemic

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DNEL	Oral (repeated dose)	2,2 mg/kg	Population	Systemic
DNEL	Dermal (repeated dose)	9 mg/kg	Workers	Systemic
PNEC	Fresh water	0,1 mg/l	-	-
PNEC	Marine water	0,01 mg/l	-	-
PNEC	Soil (agricultural)	0,0185 mg/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Respiratory protection not required.

Hand protection: Not applicable.

Eye protection: Not applicable.

Skin protection: Not applicable.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Blue

Odour: fresh

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Miscible

Viscosity: Non-viscous

Boiling point/range°C: No data available.

Melting point/range°C: Not applicable.

Flammability limits %: lower: Not applicable.

upper: Not applicable.

Flash point°C: >60

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 1,005 g/cm³

pH: 9

VOC g/l: 4,5%

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

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10.4. Conditions to avoid

Conditions to avoid: No hazardous decomposition products if stored and handled as prescribed.

10.5. Incompatible materials

Materials to avoid: None known

10.6. Hazardous decomposition products

Haz. decomp. products: No hazardous decomposition products known.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

1-PROPOXY-2-PROPANOL

DERMAL	RBT	LD50	3818	mg/kg
ORL	RAT	LD50	3449	mg/kg

FATTY ALCOHOL ALCOXYLATE

ORL	RAT	LD50	>2000	mg/kg
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Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be pain and redness.

Ingestion: Nausea and stomach pain may occur.

Inhalation: Not applicable.

Delayed / immediate effects: Delayed effects can be expected after long-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

1-PROPOXY-2-PROPANOL

Daphnia magna	48H EC50	>100	mg/l
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Oncorhynchus mykiss	96H LC50	>100	mg/l
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FATTY ALCOHOL ALCOXYLATE

Leuciscus idus	96H LC50	1-10	mg/l
Waterplants	72H EC50	0,1-1	mg/l

12.2. Persistence and degradability

Persistence and degradability: The surfactant(s) contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: no data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: The product has not been tested. Data apply to the components with the highest toxicological risk.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of waste according to applicable local, state and federal regulations.

Waste code number: 20 01 30

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Ingredients according to Regulation (EC) No 648/2004: <5% non-ionic surfactants, contains preservatives, perfumes.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

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Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers

Department issuing MSDS: Product Development Department;

Contact: Mrs. Klumpe, Mr. Reimer

Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:

Calculation method

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.