SAFETY DATA SHEET SEID Mudvask

The safety data sheet is in accordance with Commission Regulation (EU) 2020/878 of 18 June 2020 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued

04.06.2021

1.1. Product identifier

Product name SEID Mudvask

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

Use of the substance / preparation	R10100 Degreasers
	R10330 High pressure cleaning/washing agents
	R10600 Foam cleaning/washing agents

1.3. Details of the supplier of the safety data sheet

Company name	Bergen Engros AS. Avd. Bergen Kjemi
Postal address	Pb. 46 Ytre Arna
Postcode	5889
City	BERGEN
Country	NORWAY
Telephone number	+47 55248052
Email	kundeservice@bergenkjemi.no
Website	www.bergenkjemi.no

1.4. Emergency telephone number

Emergency telephone	Telephone number: +47 22 59 13 00
	Description: Giftinformasjonen

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP / GHS] Eye Dam. 1; H318

Substance / mixture hazardous	Risk of serious damage to eyes.
properties	

2.2. Label elements

Hazard pictograms (CLP)		
Composition on the label	C6 Alkyl glucoside, 2-Propylheptanol ethoxylated	
Signal word	Danger	
Hazard statements	H318 Causes serious eye damage.	
Precautionary statements	 P280 Wear protective gloves / protective clothing / eye protection / face protection. 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 doctor / physician. 	
2.3. Other hazards		
PBT / vPvB	This substance/mixture does not meet the PBT/vPvB criteria of REACH regulation, annex XIII.	
Other hazards	The mixture does not contain endocrine disruptors above 0.1%, according to	

(EU) 2017/2100 or (EU) 2018/605.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
2-(2-butoxyethoxy) ethanol	CAS No.: 112-34-5 EC No.: 203-961-6 Index No.: 603-096-00-8 REACH Reg. No.: 01-2119475104-44	Eye Irrit. 2; H319	5 – 15 %	
C6 Alkyl glucoside	CAS No.: 54549-24-5 EC No.: 259-217-6 REACH Reg. No.: 01-2119492545-29	Eye Dam. 1; H318	1 – 5 %	
2-Propylheptanol ethoxylated	CAS No.: 160875-66-1	Acute Tox. 4; H302 Eye Dam. 1; H318	1 – 5 %	
Substance comments	Full text of H-state	ments: see section 16.		

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Emergency telephone number, see section 1.4. In case of unconsciousness or severe accidents, call 112.
Inhalation	Fresh air, rest and warmth. Get medical attention if any discomfort continues.

Skin contact	Rinse with water. Contact physician if discomfort continues.
Eye contact	Rinse immediately with large amounts of water (temperate 20-30°C) for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately! Transport to doctor. Continue rinsing during transport.
Ingestion	Rinse mouth with water. Drink a few glasses of water or milk. Never give liquid to an unconscious person. Do not induce vomiting. Get medical attention.

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

Acute symptoms and effects IF INHALED: Inhalation of aerosols may be irritating to the respiratory system IF ON SKIN: The chemical may irritate skin and cause itching, burning and redness. IF IN EYES: The chemical is corrosive to the eyes and may cause permanendamage. Symptoms such as strong burning, tearing/watering, redness and blurred vision may occur. In severe cases, there is a risk of visual damage/blindness. IF SWALLOWED: Ingestion may cause discomfort.	ent
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4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.
Improper extinguishing media	Do not use straight streams.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Not classified as flammable.
Hazardous combustion products	May include, but not limited to: Carbon dioxide (CO2). Carbon monoxide (CO).

5.3. Advice for firefighters

Personal protective equipment	Use compressed air equipment when the chemical is involved in fire. In case of evacuation, an approved protection mask should be used. See also section 8.
Other information	Containers close to fire should be removed immediately or cooled with water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Provide adequate ventilation. Use personal protective equipment as required.
	Refer to section 8.

6.2. Environmental precautions

Environmental precautionary	Prevent spillage to sewer, waterway or ground.
measures	

6.3. Methods and material for containment and cleaning up

Clean up	Take up liquid spill into absorbent material, e.g.: sand, earth, vermiculite. Shovel
	into suitable and closed container for disposal. Flush area with water

6.4. Reference to other sections

Other instructions

See also sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	Use protective equipment as referred to in section 8. Avoid contact with skin and
	eyes. Do not breathe vapour. Ensure good ventilation of the work station.

Protective safety measures

Protective safety measures	Spraying with the product should not be performed for more than 1 hour.
Advice on general occupational hygiene	Wash hands after each work shift and before eating, smoking or using the toilet. Do not eat, drink or smoke when using this product. Wash contaminated clothing before using.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in tightly closed original container.
Conditions to avoid	Frost.

Conditions for safe storage

Advice on storage compatability Keep away from: Acids. Oxidizing agents.

7.3. Specific end use(s)

Specific use(s)

See section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
2-(2-butoxyethoxy) ethanol	CAS No.: 112-34-5	Country of origin: Norway, 2-2(butoksyetoksy) etanol Limit value (8 h) : 10 ppm Limit value (8 h) : 68 mg/m ³ Exposure limit letter Letter code: E	TWA Year: 2007
Sodium hydroxide	CAS No.: 1310-73-2	Country of origin: Norway, Natriumhydroksid Limit value (8 h) : 2 mg/m ³ Exposure limit letter Letter code: T	
Control parameters comments	Explanation of the rem	narks:	

	 E: EU has an indicative exposure limit value for the substance. T: The maximum airborne concentration of a chemical agent to which a worker may be exposed at any time. References: FOR 2011-12-06 no. 1358, Regulations concerning Action and Limit values (Norway).
DNEL / PNEC	
Substance	2-(2-butoxyethoxy)ethanol
DNEL	Group: Professional Route of exposure: Acute inhalation (local) Value: 101.2 mg/m ³
	Group: Professional Route of exposure: Long-term dermal (systemic) Value: 83 mg/kg bw/day
	Group: Consumer Route of exposure: Acute inhalation (local) Value: 60.7 mg/m³
	Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 50 mg/kg bw/day
	Group: Consumer Route of exposure: Long-term inhalation (systemic) Value: 40.5 mg/m ³
	Group: Consumer Route of exposure: Long-term oral (systemic) Value: 5 mg/kg bw/day
	Group: Professional Route of exposure: Long-term inhalation (systemic) Value: 67.5 mg/m ³
	Group: Professional Route of exposure: Long-term inhalation (local) Value: 67.5 mg/m ³
	Group: Consumer Route of exposure: Long-term inhalation (local) Value: 40.5 mg/m ³
PNEC	Route of exposure: Freshwater Value: 1.1 mg/l
	Route of exposure: Sewage treatment plant STP Value: 200 mg/l
	Route of exposure: Saltwater sediments Value: 0.44 mg/kg
	Route of exposure: Freshwater sediments Value: 4.4 mg/kg

	Route of exposure: Saltwater Value: 0.11 mg/l
	Route of exposure: Soil Value: 0.32 mg/kg
	Value: 11 mg/l Reference: Intermittent release
Substance	C6 Alkyl glucoside
DNEL	Group: Consumer Route of exposure: Long-term oral (systemic) Value: 35.7 mg/kg bw/day
	Group: Consumer Route of exposure: Long-term dermal (systemic) Value: 357000 mg/kg bw/day
	Group: Professional Route of exposure: Acute inhalation (systemic) Value: 420 mg/m³
	Group: Professional Route of exposure: Long-term dermal (systemic) Value: 595000 mg/kg bw/day
	Group: Consumer Route of exposure: Acute inhalation (systemic) Value: 124 mg/m ³
PNEC	Route of exposure: Freshwater Value: 0.176 mg/l
	Route of exposure: Saltwater Value: 0.018 mg/l
	Route of exposure: Soil Value: 0.654 mg/kg dw
	Route of exposure: Saltwater sediments Value: 0.072 mg/kg dw
	Route of exposure: Freshwater sediments Value: 0.722 mg/kg dw
	Route of exposure: Sewage treatment plant STP Value: 100 mg/l

8.2. Exposure controls

Precautionary measures to prevent exposure

Appropriate engineering controls

Ensure good ventilation of the work station. Personal protective equipment must be CE marked and should be selected in collaboration with the supplier of such equipment. The recommended protective equipment and the specified standards are indicative. Standards should be of the latest version. Risk assessment of the actual workplace / operation (actual risk) may result in other protective measures. The suitability and durability of the personal protective equipment will depend on the area of use.

Eye / face protection

Suitable eye protection	Use safety goggles or face shield in case of splash risk. EN 166.
Additional eye protection	Eye wash station must be available at the workplace.
measures	

Hand protection

Suitable gloves type	Wear gloves made of resistant material. Nitrile. Standard EN 374.	
Breakthrough time	Value: > 240 min	
Thickness of glove material	Value: 0.4 mm	
Hand protection, comments	Breakthrough time and glove thickness are not measured, but suggested based on information about the individual substances in the mixture. Other conditions may reduce the breakthrough time.	
Skin protection		

Suitable protective clothing

Normal work clothes.

Respiratory protection

Respiratory protection, general	Normally not necessary.
Respiratory protection necessary	Use combination filter A/P2 by aerosol formation. EN 14387.
at	

Appropriate environmental exposure control

Environmental exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Liquid
Colour	Tan
Odour	Slight odour / raw material
рН	Status: In delivery state Value: ~ 11.4
Melting point / melting range	Comments: Not determined.
Boiling point / boiling range	Comments: Not determined.
Flash point	Comments: Not flammable.
Evaporation rate	Comments: Not determined.
Flammability	Not relevant.
Explosion limit	Comments: Not relevant.

Prevent spillage to sewer, waterway or ground.

Vapour pressure	Comments: Not determined.
Vapour density	Comments: Not known.
Density	Value: 1009 g/l
Solubility	Comments: Soluble in water.
Partition coefficient: n-octanol/ water	Comments: Not known.
Auto-ignition temperature	Comments: Not self-igniting.
Decomposition temperature	Comments: Not known.
Viscosity	Value: ~ 5 mPas Temperature: 20 °C
Explosive properties	Not explosive.
Oxidising properties	Not oxidizing.

9.2. Other information

Other physical and chemical properties

Physical and chemical properties

No further information is available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and
	transport.

10.2. Chemical stability

Stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	None under normal use. May occur by contact with materials to be avoided
	(Section 10.5).

10.4. Conditions to avoid

Conditions to avoid

Avoid freezing.

10.5. Incompatible materials

Materials to avoid Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. See also section 5.2.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	2-(2-butoxyethoxy)ethanol
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: 6600 mg/kg Animal test species: Rat Effect tested: LD50 Route of exposure: Dermal Value: 2764 mg/kg Animal test species: Rabbit
Substance	C6 Alkyl glucoside
Acute toxicity	Effect tested: LD50 Route of exposure: Oral Value: > 2000 mg/kg Animal test species: Rat Comments: Similar substance. Effect tested: LD50 Route of exposure: Dermal Value: > 2000 mg/kg Animal test species: Rabbit Comments: Similar substance.
Substance	2-Propylheptanol ethoxylated
Acute toxicity	Type of toxicity: Acute Effect tested: LD50 Route of exposure: Oral Value: 300 – 2000 mg/kg Animal test species: Rat Comments: Similar substance.

Other information regarding health hazards

Assessment of acute toxicity, classification	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of skin corrosion / irritation, classification	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of eye damage or irritation, classification	Causes serious eye damage.
Assessment of respiratory sensitisation, classification	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of skin sensitisation, classification	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of germ cell mutagenicity, classification	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of carcinogenicity, classification	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of reproductive toxicity, classification	Not classified. (Based on available data, the classification criteria are not met.)

Assessment of specific target organ toxicity - single exposure,	Not classified. (Based on available data, the classification criteria are not met.)
classification	
Assessment of specific target organ toxicity - repeated exposure, classification	Not classified. (Based on available data, the classification criteria are not met.)
Assessment of aspiration hazard, classification	Not classified. (Based on available data, the classification criteria are not met.)

Symptoms of exposure

In case of ingestion	May irritate and cause malaise.
In case of skin contact	May cause slight irritation.
In case of inhalation	Inhalation of aerosols may be irritating to the respiratory system.
In case of eye contact	Risk of serious damage to eyes. May cause severe burning and pain.

11.2 Other information

Endocrine disruption

Not relevant.

SECTION 12: Ecological information

12.1. Toxicity

Substance	2-(2-butoxyethoxy)ethanol
Aquatic toxicity, fish	Value: 2700 mg/l Effect dose concentration: LC50 Test duration: 96 hour(s)
	Value: 1300 mg/l Effect dose concentration: LC50 Exposure time: 96 hour(s) Species: Lepomis macrochirus
Substance	C6 Alkyl glucoside
Aquatic toxicity, fish	Value: > 100 mg/l Effect dose concentration: LC50 Test duration: 96 hour(s) Species: Oncorhynchus mykiss
Substance	2-Propylheptanol ethoxylated
Aquatic toxicity, fish	Value: 10 – 100 mg/l Effect dose concentration: LC50 Test duration: 96 hour(s) Species: Oncorhynchus mykiss
Substance	2-(2-butoxyethoxy)ethanol
Aquatic toxicity, algae	Value: > 100 mg/l Effect dose concentration: EC50 Test duration: 96 hour(s) Species: Freshwater plants Test reference: OECD201

Substance	C6 Alkyl glucoside
Aquatic toxicity, algae	Value: > 100 mg/l Effect dose concentration: EC50 Test duration: 72 hour(s) Species: Scenedesmus quadricauda Value: > 100 mg/l Effect dose concentration: NOEC Test duration: 72 hour(s)
Substance	2-Propylheptanol ethoxylated
Aquatic toxicity, algae	Value: 10 – 100 mg/l Effect dose concentration: EC50 Test duration: 72 hour(s)
Substance	2-(2-butoxyethoxy)ethanol
Aquatic toxicity, crustacean	Value: > 1000 mg/l Effect dose concentration: EC50 Test duration: 48 hour(s) Species: Daphnia magna
Substance	C6 Alkyl glucoside
Aquatic toxicity, crustacean	Value: > 100 mg/l Effect dose concentration: EC50 Test duration: 48 hour(s) Species: Daphnia magna
Substance	2-Propylheptanol ethoxylated
Aquatic toxicity, crustacean	Value: 10 – 100 mg/l Effect dose concentration: EC50 Test duration: 48 hour(s) Species: Daphnia magna
Ecotoxicity	The chemical is not classified as harmful to the environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
Substance	2-(2-butoxyethoxy)ethanol
Biodegradability	Value: 80 – 90 % Method: OECD 301C Test period: 28 day(s)
Substance	2-(2-butoxyethoxy)ethanol
Chemical oxygen demand (COD)	Value: 2,02

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	No bioaccumulation is to be expected.
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12.4. Mobility in soil

Mobility

Soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvBThe chemical does not contain any PBT substances. The chemical does not
contain any vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties Not relevant.

12.7. Other adverse effects

Additional ecological information Large spills can negatively impact the aquatic environment locally due to an increase in the pH-value.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Deliver as hazardous waste to approved handler or collector. The EWC code is indicative. The user must enter the correct EWC code if the use differs.
EWC waste code	EWC waste code: 070601 aqueous washing liquids and mother liquors Classified as hazardous waste: Yes
NORSAS	7133 Detergents

SECTION 14: Transport information Dangerous goods No 14.1. UN number Comments Not regulated. 14.2. UN proper shipping name Comments Not relevant. 14.3. Transport hazard class(es) Comments Not relevant. 14.4. Packing group Comments Not relevant. 14.5. Environmental hazards Comments Not relevant.

14.6. Special precautions for user

Special safety precautions for user Not relevant.

14.7. Maritime transport in bulk according to IMO instruments

ADR/RID Other information

Other applicable information ADR/ Not relevant. RID

SECTION 15: Regulatory information

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

References (laws/regulations)	 Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No 1907/2006 REACH. FOR 2004-06-01 no 930, Waste Regulations, Ministry of Climate and Environment. FOR 2009-04-01 no 384, on road transportation of dangerous goods COMMISSION REGULATION (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII thereto.
Declaration No.	110165

15.2. Chemical safety assessment

Chemical safety assessment No performed

SECTION 16: Other information		
Supplier's notes	The information contained in this SDS must be made available to all those who handle the product.	
List of relevant H-phrases (Section 2 and 3)	 H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. 	
Additional information	The SDS is an English translation according to Norwegian regulations.	
Key literature references and sources for data	The safety data sheet is prepared on the basis of information provided by the manufacturer.	
Abbreviations and acronyms used	DNEL: Derived-No Effect Level EC50: The effective concentration of substance that causes 50% of the maximum response. LC50: Median lethal concentration. LD50: Median lethal dose NOEC: No-Observed Effect Concentration PBT: Persistent, Bioaccumulative and Toxic PNEC: Predicted No-Effect Concentration	

	vPvB: very Persistent and very Bioaccumulative
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
Version	1
Prepared by	SDS-Chemie, Bente Frogner