

## SAFETY DATA SHEET

## Viking ARK

**SECTION 1: Identification**

## Product identifier

## Trade name

Viking ARK

## Product no.

V-SFFFARK/XX F 24175-XX

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

## Relevant identified uses of the substance or mixture

Appliance protection

## Uses advised against

No special

## Details of the supplier of the safety data sheet

## Company and address

**The Viking Corporation**

210 N Industrial Park Drive

MI 49058 Hastings

United States of America

+1 269 945 9501

+1 269 818 1680

## Contact person

CHR

## E-mail

techsvcs@vikingcorp.com

## SDS date

2022-03-02

## SDS Version

1.0

## Emergency telephone number

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL®

(triage.webpoisoncontrol.org) to get specific guidance for your case

See also section 4 "First aid measures".

## SECTION 2: Hazard(s) identification

### OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Classification of the substance or mixture

Eye Irrit. 2; H319, Causes serious eye irritation.

### Label elements

#### Hazard pictogram(s)



#### Signal word

Warning

#### Hazard statement(s)

Causes serious eye irritation. (H319)

#### Safety statement(s)

##### General

-

##### Prevention

Wear eye protection/protective gloves/protective clothing. (P280)

##### Response

If eye irritation persists: Get medical advice/attention. (P337+P313)

##### Storage

-

##### Disposal

-

### Hazardous substances

No special

### Other hazards

#### Additional labelling

Not applicable

#### Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

## SECTION 3: Composition/Information on Ingredients

### Mixtures

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

Product/substance	Identifiers	% w/w	Classification	Note
2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	CAS No.: 112-34-5	5-10%	Eye Irrit. 2, H319	
Sodium decyl sulphate	CAS No.: 142-87-0	3-5%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 (SCL: 20.00 %)	
1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts	CAS No.: 1469983-49-0	1-3%	Eye Dam. 1, H318	
D-Glucopyranose, oligomers, decyl octyl glycosides	CAS No.: 68515-73-1	1-3%	Eye Dam. 1, H318 (SCL: 10.00 %)	

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

No special

## SECTION 4: First-aid measures

### Description of first aid measures

#### General information

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

#### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

#### Skin contact

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

### Ingestion

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

### Burns

Not applicable

### Most important symptoms and effects, both acute and delayed

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

### Indication of any immediate medical attention and special treatment needed

If eye irritation persists: Get medical advice/attention.

### Information to medics

Bring this safety data sheet or the label from this product.

## SECTION 5: Fire-fighting measures

### Extinguishing media

Not applicable

### Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Sulphur oxides.

Nitrogen oxides (NO<sub>x</sub>)

Carbon oxides (CO / CO<sub>2</sub>).

Some metal oxides.

### Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

No specific requirements

### Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.

### Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

### Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

### Recommended storage material

Always store in containers of the same material as the original container.

### Storage temperature

Dry, cool and well ventilated (< 55 °C)

### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### Control parameters

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

### Exposure controls

Control is unnecessary if the product is used as intended.

### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

### Exposure scenarios

There are no exposure scenarios implemented for this product.

### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

### Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of vapours.

### Hygiene measures

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

**Measures to avoid environmental exposure**

No specific requirements

**Individual protection measures, such as personal protective equipment**


**Generally**

Use only protective equipment with a recognized certification mark, e.g. the UL mark.


**Respiratory Equipment**

No specific requirements


**Skin protection**

Work situation	Recommended	Type/Category	Standards	
	Dedicated work clothing should be worn.	-	-	

**Hand protection**

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	Vinyl/PVC	0.6	-	-	

**Eye protection**

Work situation	Type	Standards	
	Wear safety glasses with side shields.	EN166	

**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

**Physical state**

Liquid

**Colour**

Pale yellow

**Odour**

Characteristic

**Odour threshold (ppm)**

Testing not relevant or not possible due to nature of the product.

**pH**

6,2-7,2

Density (g/cm<sup>3</sup>)

~1,01 (20 °C)

Viscosity

<3500 mPa.s (20 °C)

Phase changes

Melting point (°F)

-

Melting point (°C)

-4

Boiling point (°F)

Testing not relevant or not possible due to nature of the product.

Vapour pressure

Testing not relevant or not possible due to nature of the product.

Vapour density

Testing not relevant or not possible due to nature of the product.

Decomposition temperature (°F)

Testing not relevant or not possible due to nature of the product.

Data on fire and explosion hazards

Flash point (°F)

Testing not relevant or not possible due to nature of the product.

Ignition (°F)

Testing not relevant or not possible due to nature of the product.

Auto flammability (°F)

Testing not relevant or not possible due to nature of the product.

Explosion limits (% v/v)

Testing not relevant or not possible due to nature of the product.

Solubility

Solubility in water

Soluble

n-octanol/water coefficient

Testing not relevant or not possible due to nature of the product.

Other information

Solubility in fat (g/L)

Testing not relevant or not possible due to nature of the product.

## SECTION 10: Stability and reactivity

Reactivity

No data available

**Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**Possibility of hazardous reactions**

No special

**Conditions to avoid**

No special

**Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Species</b>	Mouse
<b>Route of exposure</b>	Oral
<b>Test</b>	LD50
<b>Result</b>	2410.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Species</b>	Rat
<b>Route of exposure</b>	Inhalation
<b>Test</b>	LC50
<b>Result</b>	29.00 ppm
<b>Other information</b>	
<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Species</b>	Rabbit



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Route of exposure</b>	Dermal
<b>Test</b>	LD50
<b>Result</b>	2764.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Species</b>	Rat
<b>Route of exposure</b>	Oral
<b>Test</b>	LD50
<b>Result</b>	5660.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	Sodium decyl sulphate
<b>Test method</b>	
<b>Species</b>	Rat
<b>Route of exposure</b>	Oral
<b>Test</b>	LD50
<b>Result</b>	1200.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	Sodium decyl sulphate
<b>Test method</b>	
<b>Species</b>	Rat
<b>Route of exposure</b>	Dermal
<b>Test</b>	LD50
<b>Result</b>	2000.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 401

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Species</b>	Rat, male/female
<b>Route of exposure</b>	Oral
<b>Test</b>	LD50
<b>Result</b>	2950 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 402
<b>Species</b>	Rat, male/female
<b>Route of exposure</b>	Dermal
<b>Test</b>	LD50
<b>Result</b>	>2000 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Test method</b>	
<b>Species</b>	Rat
<b>Route of exposure</b>	Dermal
<b>Test</b>	LD50
<b>Result</b>	2000.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Test method</b>	
<b>Species</b>	Rat
<b>Route of exposure</b>	Oral
<b>Test</b>	LD50
<b>Result</b>	2000.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	Octane-1-ol

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Test method</b>	
<b>Species</b>	Rat
<b>Route of exposure</b>	Oral
<b>Test</b>	LD50
<b>Result</b>	2000.00 mg/kg
<b>Other information</b>	
<b>Product/substance</b>	Octane-1-ol
<b>Test method</b>	
<b>Species</b>	Rabbit
<b>Route of exposure</b>	Dermal
<b>Test</b>	LD50
<b>Result</b>	2000.00 mg/kg
<b>Other information</b>	

#### Skin corrosion/irritation

<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 405
<b>Species</b>	Rabbit
<b>Duration</b>	
<b>Result</b>	No adverse effect observed (Not irritating)
<b>Other information</b>	

#### Serious eye damage/irritation

<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 405
<b>Species</b>	Rabbit
<b>Duration</b>	
<b>Result</b>	

**Other information**

Causes serious eye irritation.

**Respiratory sensitisation**

<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 406
<b>Species</b>	Guinea pig
<b>Result</b>	No adverse effect observed (not sensitising)

**Other information****Skin sensitisation**

Based on available data, the classification criteria are not met.

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Reproductive toxicity**

<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 422
<b>Species</b>	Rat, male/female
<b>Duration</b>	
<b>Test</b>	NOAEL
<b>Result</b>	300 mg/kg
<b>Conclusion</b>	No adverse effect observed

**Other information**

<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 414
<b>Species</b>	Rat
<b>Duration</b>	

<b>Test</b>	
<b>Result</b>	
<b>Conclusion</b>	No adverse effect observed
<b>Other information</b>	

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

**Other information**

No special

**SECTION 12: Ecological information**

**Toxicity**

<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Species</b>	Fish
<b>Compartment</b>	
<b>Duration</b>	96 hours
<b>Test</b>	LC50
<b>Result</b>	1300.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Species</b>	Daphnia
<b>Compartment</b>	

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Duration</b>	48 hours
<b>Test</b>	EC50
<b>Result</b>	100.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Species</b>	Algae
<b>Compartment</b>	
<b>Duration</b>	96 hours
<b>Test</b>	EC50
<b>Result</b>	100.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	Sodium decyl sulphate
<b>Test method</b>	
<b>Species</b>	Fish
<b>Compartment</b>	
<b>Duration</b>	48 hours
<b>Test</b>	LC50
<b>Result</b>	13.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	Sodium decyl sulphate
<b>Test method</b>	
<b>Species</b>	Algae
<b>Compartment</b>	
<b>Duration</b>	72 hours
<b>Test</b>	EC50
<b>Result</b>	8.64 mg/L
<b>Other information</b>	

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Product/substance</b>	Sodium decyl sulphate
<b>Test method</b>	
<b>Species</b>	Daphnia
<b>Compartment</b>	
<b>Duration</b>	24 hours
<b>Test</b>	EC50
<b>Result</b>	>100 mg/L
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 203
<b>Species</b>	Fish, Pimephales promelas
<b>Compartment</b>	
<b>Duration</b>	96 hours
<b>Test</b>	LC50
<b>Result</b>	2,66 mg/L
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	
<b>Species</b>	Daphnia, Daphnia magna
<b>Compartment</b>	
<b>Duration</b>	48 hours
<b>Test</b>	EC50
<b>Result</b>	4 mg/L
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Species</b>	Algae
<b>Compartment</b>	
<b>Duration</b>	72 hours
<b>Test</b>	EC50
<b>Result</b>	2,26 mg/L
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	
<b>Species</b>	Algae
<b>Compartment</b>	
<b>Duration</b>	72 hours
<b>Test</b>	NOEC
<b>Result</b>	0,76 mg/L
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	OECD 209
<b>Species</b>	Bacteria
<b>Compartment</b>	Activated Sludge Plant
<b>Duration</b>	3 hours
<b>Test</b>	NOEC
<b>Result</b>	1000 mg/L
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Test method</b>	
<b>Species</b>	Algae
<b>Compartment</b>	
<b>Duration</b>	72 hours



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Test</b>	EC50
<b>Result</b>	20.71 mg/L
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Test method</b>	
<b>Species</b>	Fish
<b>Compartment</b>	
<b>Duration</b>	96 hours
<b>Test</b>	LC50
<b>Result</b>	21.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Test method</b>	
<b>Species</b>	Algae
<b>Compartment</b>	
<b>Duration</b>	72 hours
<b>Test</b>	EC50
<b>Result</b>	37.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Test method</b>	
<b>Species</b>	Daphnia
<b>Compartment</b>	
<b>Duration</b>	48 hours
<b>Test</b>	EC50
<b>Result</b>	100.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Test method</b>	
<b>Species</b>	Crustacean
<b>Compartment</b>	
<b>Duration</b>	96 hours
<b>Test</b>	EC50
<b>Result</b>	151 mg/L
<b>Other information</b>	
<b>Product/substance</b>	Octane-1-ol
<b>Test method</b>	
<b>Species</b>	Fish
<b>Compartment</b>	
<b>Duration</b>	96 hours
<b>Test</b>	LC50
<b>Result</b>	100.00 mg/L
<b>Other information</b>	
<b>Product/substance</b>	Octane-1-ol
<b>Test method</b>	
<b>Species</b>	Algae
<b>Compartment</b>	
<b>Duration</b>	48 hours
<b>Test</b>	EC50
<b>Result</b>	100.00 mg/L
<b>Other information</b>	

#### Persistence and degradability

<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Biodegradable</b>	Yes
<b>Test method</b>	OECD 301 C
<b>Result</b>	80 %

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>Product/substance</b>	Sodium decyl sulphate
<b>Biodegradable</b>	Yes
<b>Test method</b>	OECD 301 D
<b>Result</b>	80 %
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Biodegradable</b>	Yes
<b>Test method</b>	
<b>Result</b>	57%
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Biodegradable</b>	Yes
<b>Test method</b>	OECD 301 E
<b>Result</b>	100 %
<b>Product/substance</b>	Octane-1-ol
<b>Biodegradable</b>	Yes
<b>Test method</b>	OECD 301 B
<b>Result</b>	77,9 %

#### Bioaccumulative potential

<b>Product/substance</b>	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether
<b>Test method</b>	
<b>Potential bioaccumulation</b>	No
<b>LogPow</b>	No data available
<b>BCF</b>	No data available
<b>Other information</b>	
<b>Product/substance</b>	Sodium decyl sulphate
<b>Test method</b>	
<b>Potential bioaccumulation</b>	No data available

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

<b>LogPow</b>	1,72
<b>BCF</b>	No data available
<b>Other information</b>	
<b>Product/substance</b>	1-Propanaminium, N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-3-sulfo-, N-(C8-18(even numbered) acyl) derivs., hydroxides, inner salts
<b>Test method</b>	
<b>Potential bioaccumulation</b>	No
<b>LogPow</b>	No data available
<b>BCF</b>	No data available
<b>Other information</b>	
<b>Product/substance</b>	D-Glucopyranose, oligomers, decyl octyl glycosides
<b>Test method</b>	
<b>Potential bioaccumulation</b>	No data available
<b>LogPow</b>	1.77
<b>BCF</b>	No data available
<b>Other information</b>	
<b>Product/substance</b>	Octane-1-ol
<b>Test method</b>	
<b>Potential bioaccumulation</b>	No
<b>LogPow</b>	No data available
<b>BCF</b>	No data available
<b>Other information</b>	

**Mobility in soil**

No data available

**Results of PBT and vPvB assessment**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

**Other adverse effects**

No special

**SECTION 13: Disposal considerations**

## RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

None of the components are listed

## Specific labelling

Not applicable

## Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

Not dangerous goods according to DOT, IATA and IMDG.

## DOT

Not applicable

## IMDG

Not applicable

## "MARINE POLLUTANT"

No

## IATA

Not applicable

## Environmental hazards

Not applicable

## Special precautions for user

Not applicable

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

No data available

**SECTION 15: Regulatory information**

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

## U.S. Federal regulations

## TSCA

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether is listed in the non-confidential portion

Sodium decyl sulphate is listed in the non-confidential portion

D-Glucopyranose, oligomers, decyl octyl glycosides is listed in the non-confidential portion

Octane-1-ol is listed in the non-confidential portion

## Clean Air Act

None of the components are listed

## EPCRA Section 302

None of the components are listed

#### EPCRA Section 304

None of the components are listed

#### EPCRA section 313

None of the components are listed

#### CERCLA

None of the components are listed

#### State regulations

##### California / Prop. 65

None of the components are listed

##### Massachusetts / Right To Know Act

None of the components are listed

##### New Jersey / Right To Know Act

None of the components are listed

##### Pennsylvania / Right To Know Act

Octane-1-ol is listed

#### Restrictions for application

Restricted to professional users.

#### Demands for specific education

No specific requirements

#### Additional information

Not applicable

#### Chemical safety assessment

Yes

#### Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H315, Causes skin irritation.

H318, Causes serious eye damage.

H319, Causes serious eye irritation.

#### The full text of identified uses as mentioned in section 1

No special

#### Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor  
CAS = Chemical Abstracts Service  
CERCLA = Comprehensive Environmental Response Compensation and Liability Act  
EINECS = European Inventory of Existing Commercial chemical Substances  
EPCRA = Emergency Planning and Community Right-To-Know Act  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HCIS = Hazardous Chemical Information System  
IARC = International Agency for Research on Cancer  
IATA = International Air Transport Association  
IMDG = International Maritime Dangerous Goods  
LogPow = logarithm of the octanol/water partition coefficient  
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
NFPA = National Fire Protection Association  
NIOSH = National Institute for Occupational Safety and Health  
OECD = Organisation for Economic Co-operation and Development  
OSHA = Occupational Safety and Health Administration  
PBT = Persistent, Bioaccumulative and Toxic  
RCRA = Resource Conservation and Recovery Act  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
RRN = REACH Registration Number  
SARA = Superfund Amendments and Reauthorization Act  
SCL = A specific concentration limit.  
STEL = Short-term exposure limits  
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
STOT-SE = Specific Target Organ Toxicity - Single Exposure  
TSCA = The Toxic Substances Control Act  
TWA = Time weighted average  
UN = United Nations  
UVCB = Complex hydrocarbon substance  
VOC = Volatile Organic Compound  
vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

#### The safety data sheet is validated by

charlotta@fomtec.com

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a

blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: US-en