

### SECTION 1: Identification

#### 1.1. Identification

Product name : OSOM Covid Antigen Extraction Buffer  
 Product code : 1066, 1068

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Extraction buffer for swabs

#### 1.3. Supplier

Sekisui Diagnostics, LLC  
 6659 Top Gun Street, San Diego, CA 92121, USA  
 Tel. +1-858-777-2600  
 Sekisui Diagnostics P.E.I. Inc.  
 70 Watts Avenue, Charlottetown Prince Edward Island, C1E 2B9 Canada  
 Tel. +1-800-565-0265  
 Sekisui Diagnostics (UK) Limited  
 Liphook Way, Allington, Maidstone, Kent ME16 0LQ  
 Tel. +44 (0) 1622 607800  
 www.sekisuidiagnostics.com  
 Contact person: info@sekisuidiagnostics.com

#### 1.4. Emergency telephone number

Emergency number : Americas 1-760-476-3962  
 Europe, Middle East & Africa +1-760-476-3961  
 Asia Pacific +1-760-476-3960  
 Access code 333512

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Hazardous to the aquatic environment – Acute Hazard Category 2 H401 Toxic to aquatic life  
 Hazardous to the aquatic environment – Chronic Hazard Category 3 H412 Harmful to aquatic life with long lasting effects

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard statements (GHS US) : H401 - Toxic to aquatic life  
 H412 - Harmful to aquatic life with long lasting effects  
 Precautionary statements (GHS US) : P273 - Avoid release to the environment.  
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable

### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Dodecyltrimethylamine oxide	(CAS No) 1643-20-5	0.48 – 0.8	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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Name	Product identifier	%	GHS US classification
tertiary-octylphenoxypoly(ethoxyethanol)	(CAS No) 9036-19-5	0.1 – 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

#### 4.2. Most important symptoms and effects (acute and delayed)

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

#### 5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Exercise caution. Spill area may be slippery.

##### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Collect spillage.
- Methods for cleaning up : Take up liquid spill into absorbent material.
- Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep cool.
- Storage temperature : 20 °C

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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>OSOM Covid Antigen Extraction Buffer</b>
No additional information available
<b>tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>
No additional information available
<b>Dodecyldimethylamine oxide (1643-20-5)</b>
No additional information available

#### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11	

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing

##### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

##### Personal protective equipment symbol(s):



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Color	: Colorless.
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available

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Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
No data availableViscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Not oxidising.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)	
LD50 oral rat	1800 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
ATE US (oral)	1800 mg/kg body weight

Dodecyldimethylamine oxide (1643-20-5)	
LD50 oral rat	1064
LD50 dermal rat	> 2000 mg/kg body weight OECD 402
ATE US (oral)	1064 mg/kg body weight

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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### Dodecyldimethylamine oxide (1643-20-5)

NOAEL (oral,rat,90 days)	40 mg/kg body weight OECD 422
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Aspiration hazard : Not classified  
Viscosity, kinematic : No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

LC50 - Fish [1]	0.26 mg/l Leuciscus idus (golden orfe)
EC50 - Crustacea [1]	0.011 mg/l Daphnia magna (Water flea)

### Dodecyldimethylamine oxide (1643-20-5)

LC50 - Fish [1]	134 mg/l Danio rerio
EC50 - Crustacea [1]	10.4 mg/l Daphnia magna
LC50 - Fish [2]	31.8 mg/l Danio rerio
EC50 - Crustacea [2]	3.1 mg/l Daphnia magna
NOEC (chronic)	0.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

### 12.2. Persistence and degradability

### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

Persistence and degradability	Not readily biodegradable.
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### 12.3. Bioaccumulative potential

### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

Bioaccumulative potential	No bioaccumulation data available.
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### Dodecyldimethylamine oxide (1643-20-5)

Partition coefficient n-octanol/water (Log Kow)	≤ 4.5
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### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

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### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

tertiary-octylphenoxypoly(ethoxyethanol)	CAS No 9036-19-5	0.1 – 1%
Dodecyldimethylamine oxide	CAS No 1643-20-5	0.48 – 0.8%

#### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).
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#### 15.2. International regulations

##### CANADA

#### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

Listed on the Canadian DSL (Domestic Substances List)

#### Dodecyldimethylamine oxide (1643-20-5)

Listed on the Canadian DSL (Domestic Substances List)

##### EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list: 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (CAS 9036-19-5)

Contains REACH Annex XIV substances: 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (CAS 9036-19-5)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### National regulations

#### OSOM Covid Antigen Extraction Buffer

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

#### Dodecyldimethylamine oxide (1643-20-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

No additional information available

### SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 06/30/2023

Full text of H-phrases:

H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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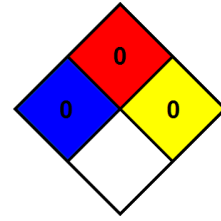
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NFPA health hazard : 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

Health : 0 Minimal Hazard - No significant risk to health

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : B

B - Safety glasses, Gloves

### Indication of changes:

Section	Changed item	Change	Comments
1	Product code	Modified	

SDS US (GHS HazCom 2012)

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### SECTION 1: Identification

#### 1.1. Identification

Product name : OSOM COVID-19 Antigen Home Test  
 Product code : 1067-2, 1067-40

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : COVID-19 Antigen Home Test

#### 1.3. Supplier

Sekisui Diagnostics, LLC  
 6659 Top Gun Street, San Diego, CA 92121, USA  
 Tel. +1-858-777-2600  
 Sekisui Diagnostics P.E.I. Inc.  
 70 Watts Avenue, Charlottetown Prince Edward Island, C1E 2B9 Canada  
 Tel. +1-800-565-0265  
 Sekisui Diagnostics (UK) Limited  
 Liphook Way, Allington, Maidstone, Kent ME16 0LQ  
 Tel. +44 (0) 1622 607800  
 www.sekisuidiagnostics.com  
 Contact person: info@sekisuidiagnostics.com

#### 1.4. Emergency telephone number

Emergency number : Americas 1-760-476-3962  
 Europe, Middle East & Africa +1-760-476-3961  
 Asia Pacific +1-760-476-3960  
 Access code 333512

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Skin sensitization, Category 1	H317	May cause an allergic skin reaction
Reproductive toxicity Category 1B	H360	May damage fertility or the unborn child
Hazardous to the aquatic environment – Acute Hazard Category 3	H402	Harmful to aquatic life
Hazardous to the aquatic environment – Chronic Hazard Category 3	H412	Harmful to aquatic life with long lasting effects

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

H317 - May cause an allergic skin reaction  
 H360 - May damage fertility or the unborn child  
 H402 - Harmful to aquatic life  
 H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (GHS US) :

P201 - Obtain special instructions before use.  
 P202 - Do not handle until all safety precautions have been read and understood.  
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P272 - Contaminated work clothing must not be allowed out of the workplace.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
 P302+P352 - If on skin: Wash with plenty of water.  
 P308+P313 - If exposed or concerned: Get medical advice/attention.  
 P321 - Specific treatment (see supplemental first aid instruction on this label).  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.  
 P405 - Store locked up.



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P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
disodium tetraborate decahydrate, borax decahydrate	(CAS No) 1303-96-4	0.1 – 1	Repr. 1B, H360
Dodecyltrimethylamine oxide	(CAS No) 1643-20-5	0.501 – 0.835	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
tertiary-octylphenoxypoly(ethoxyethanol)	(CAS No) 9036-19-5	0.1 – 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	(CAS No) 55965-84-9	< 0.1	Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation), H330 Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
- First-aid measures after eye contact : Rinse eyes with water as a precaution.
- First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after skin contact : May cause an allergic skin reaction.

### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

### 5.2. Specific hazards arising from the chemical

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

##### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

#### 6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

#### 6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.  
Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

For further information refer to section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.  
Hygiene measures : Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>OSOM COVID-19 Antigen Home Test</b>	
No additional information available	
<b>tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>	
No additional information available	
<b>disodium tetraborate decahydrate, borax decahydrate (1303-96-4)</b>	
<b>USA - ACGIH - Occupational Exposure Limits</b>	
Local name	Sodium tetraborate, decahydrate
ACGIH OEL TWA	2 mg/m <sup>3</sup> (I - Inhalable particulate matter)
ACGIH OEL STEL	6 mg/m <sup>3</sup> (I - Inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2023
<b>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</b>	
No additional information available	
<b>Dodecyldimethylamine oxide (1643-20-5)</b>	
No additional information available	

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

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### Hand protection:

Protective gloves

Type	Material	Permeation	Thickness (mm)	Penetration
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0.11	

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Pale yellow liquid.
Color	: yellow
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Soluble.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
No data available	Viscosity, kinematic : No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Product is not explosive.
Oxidizing properties	: Not oxidising.

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

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### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

<b>tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>	
LD50 oral rat	1800 mg/kg
LD50 dermal rabbit	> 3000 mg/kg
ATE US (oral)	1800 mg/kg body weight

<b>disodium tetraborate decahydrate, borax decahydrate (1303-96-4)</b>	
LD50 oral rat	2660 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 2.04 mg/l (OECD 403, 4 h, 14 d)
ATE US (oral)	2660 mg/kg body weight

<b>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</b>	
LD50 oral rat	66 mg/kg body weight
LD50 dermal rat	> 141 mg/kg body weight
LC50 Inhalation - Rat	0.17 mg/l air (OECD 403)
ATE US (oral)	53 mg/kg body weight
ATE US (dermal)	200 mg/kg body weight
ATE US (gases)	100 ppmV/4h
ATE US (vapors)	0.5 mg/l/4h
ATE US (dust, mist)	0.05 mg/l/4h

<b>Dodecyldimethylamine oxide (1643-20-5)</b>	
LD50 oral rat	1064
LD50 dermal rat	> 2000 mg/kg body weight OECD 402
ATE US (oral)	1064 mg/kg body weight

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitization : May cause an allergic skin reaction.  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified

Reproductive toxicity : May damage fertility or the unborn child.

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

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<b>Dodecyldimethylamine oxide (1643-20-5)</b>	
NOAEL (oral,rat,90 days)	40 mg/kg body weight OECD 422
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects after skin contact	: May cause an allergic skin reaction.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

<b>tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>	
LC50 - Fish [1]	0.26 mg/l <i>Leuciscus idus</i> (golden orfe)
EC50 - Crustacea [1]	0.011 mg/l <i>Daphnia magna</i> (Water flea)
<b>disodium tetraborate decahydrate, borax decahydrate (1303-96-4)</b>	
LC50 - Fish [1]	79.7 mg/l (ASTM E729-95, 96 h, <i>Pimephales promelas</i> )
LC50 - Other aquatic organisms [1]	151 mg/l
NOEC chronic fish	6.4 mg/l ( <i>Danio rerio</i> , 34 d)
<b>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</b>	
EC50 - Crustacea [1]	0.007 mg/l (48 h, <i>Acartia tonsa</i> )
<b>Dodecyldimethylamine oxide (1643-20-5)</b>	
LC50 - Fish [1]	134 mg/l <i>Danio rerio</i>
EC50 - Crustacea [1]	10.4 mg/l <i>Daphnia magna</i>
LC50 - Fish [2]	31.8 mg/l <i>Danio rerio</i>
EC50 - Crustacea [2]	3.1 mg/l <i>Daphnia magna</i>
NOEC (chronic)	0.7 mg/l Test organisms (species): <i>Daphnia magna</i> Duration: '21 d'

#### 12.2. Persistence and degradability

<b>tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>	
Persistence and degradability	Not readily biodegradable.
<b>disodium tetraborate decahydrate, borax decahydrate (1303-96-4)</b>	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable
<b>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</b>	
Persistence and degradability	Not readily biodegradable in water.

#### 12.3. Bioaccumulative potential

<b>tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)</b>	
Bioaccumulative potential	No bioaccumulation data available.
<b>disodium tetraborate decahydrate, borax decahydrate (1303-96-4)</b>	
Bioaccumulative potential	Not bioaccumulative.
<b>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</b>	
BCF - Fish [1]	41 – 54 (OECD 305: 28 d, <i>Lepomis macrochirus</i> )
Partition coefficient n-octanol/water (Log Pow)	0.75 (OECD 107: 24 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
<b>Dodecyldimethylamine oxide (1643-20-5)</b>	
Partition coefficient n-octanol/water (Log Kow)	≤ 4.5

#### 12.4. Mobility in soil

<b>disodium tetraborate decahydrate, borax decahydrate (1303-96-4)</b>	
Surface tension	71 mN/m (23 °C, 0.3 g/l)

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<b>disodium tetraborate decahydrate, borax decahydrate (1303-96-4)</b>	
Ecology - soil	No (test) data on mobility of the substance available. May be harmful to plant growth, blooming and fruit formation.
<b>reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)</b>	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.81 – 1
Ecology - soil	Highly mobile in soil.

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Not applicable

### Transportation of Dangerous Goods

Not applicable

### Transport by sea

Not applicable

### Air transport

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:

tertiary-octylphenoxypoly(ethoxyethanol)	CAS No 9036-19-5	0.1 – 1%
disodium tetraborate decahydrate, borax decahydrate	CAS No 1303-96-4	0.1 – 1%
reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	CAS No 55965-84-9	< 0.1%
Dodecyltrimethylamine oxide	CAS No 1643-20-5	0.501 – 0.835%

### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

### 15.2. International regulations

#### CANADA

### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

Listed on the Canadian DSL (Domestic Substances List)

### disodium tetraborate decahydrate, borax decahydrate (1303-96-4)

Listed on the Canadian DSL (Domestic Substances List)

### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

Listed on the Canadian DSL (Domestic Substances List)

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### Dodecyldimethylamine oxide (1643-20-5)

Listed on the Canadian DSL (Domestic Substances List)

### EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains a substance on the REACH candidate list: 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (CAS 9036-19-5), Disodium tetraborate, anhydrous (EC 215-540-4, CAS 1303-96-4)

Contains REACH Annex XIV substances: 4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (CAS 9036-19-5)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance(s) subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

### National regulations

#### tertiary-octylphenoxypoly(ethoxyethanol) (9036-19-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

#### disodium tetraborate decahydrate, borax decahydrate (1303-96-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Listed on INSQ (Mexican National Inventory of Chemical Substances)

#### reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (55965-84-9)

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

#### Dodecyldimethylamine oxide (1643-20-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Component	State or local regulations
disodium tetraborate decahydrate, borax decahydrate(1303-96-4)	U.S. - New York City - Right to Know Hazardous Substances List

## SECTION 16: Other information

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Full text of H-phrases:

H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H360	May damage fertility or the unborn child
H400	Very toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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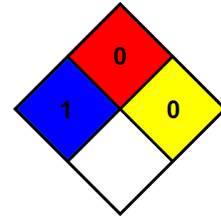
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NFPA health hazard : 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard : 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



### Hazard Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard - Materials that will not burn

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : p  
p - Gloves

SDS US (GHS HazCom 2012)

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