

# Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

ECSLAB

Product name	:	APEX RINSE
Product code	:	115874E
Use of the Substance/Mixture	:	Rinse Additive
Substance type:	:	Mixture
		For professional users only.
Product dilution information	:	0.01 % - 0.02 %

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

Identified uses	:	Dishwash and rinse aid product; Automatic process
Recommended restrictions on use	:	Reserved for industrial and professional use.

#### 1.3 Details of the supplier of the safety data sheet

Company	:	Ecolab Ltd. PO Box 11; Winnington Avenue Northwich, Cheshire, United Kingdom CW8 4DX + 44 (0)1606 74488 ccs@ecolab.com
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#### 1.4 Emergency telephone number

Emergency telephone number	:	+441618841235 +32-(0)3-575-5555 Trans-European
Poison Information Centre telephone number	:	Not Available

Date of Compilation/Revision	:	08.08.2017
Version	:	2.3

# Section: 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Product AS SOLD	
Eye irritation, Category 2	H319
Skin sensitization, Category 1	H317

# Product AT USE DILUTION

Not a hazardous substance or mixture.

## 2.2 Label elements

Labelling (REGUL	ATION (EC	) No 1272/2008)
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Product AS SOLD Hazard pictograms		
Signal Word	: Warning	
Hazard Statements	: H317 H319	May cause an allergic skin reaction. Causes serious eye irritation.

Hazardous components which must be listed on the label: A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

#### **Product AT USE DILUTION**

Not a hazardous substance or mixture.

#### 2.3 Other hazards

#### **Product AS SOLD**

None known.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### Product AS SOLD Hazardous components

Chemical Name	CAS-No. EC-No. REACH No.	ClassificationREGULATION (EC) No 1272/2008	Concentration: [%]
oxirane, methyl-, polymer with oxirane	9003-11-6	Acute toxicity Category 4; H332	>= 30 - < 50
Urea	57-13-6 200-315-5 01-2119463277-33		>= 30 - < 50
alcohols, c10-16, ethoxylated	68002-97-1 500-182-6	Acute toxicity Category 4; H302 Skin irritation Category 2; H315 Serious eye damage Category 1; H318 Acute aquatic toxicity Category 1; H400	>= 10 - < 20
Kathon CG-ICP Microbiocide		Skin corrosion Category 1B; H314 Skin sensitization Category 1; H317 Chronic aquatic toxicity Category 3; H412	>= 1 - < 2.5

# Product AT USE DILUTION

Remarks

: No hazardous ingredients

For the full text of the H-Statements mentioned in this Section, see Section 16.

# Section: 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

Product AS SOLD In case of eye contact	:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.
In case of skin contact	:	Wash off immediately with plenty of water for at least 15 minutes. Use a mild soap if available. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
If swallowed	:	Rinse mouth. Get medical attention if symptoms occur.
If inhaled	:	Get medical attention if symptoms occur.
Product AT USE DILUTION In case of eye contact	:	Rinse with plenty of water.
In case of skin contact	:	Rinse with plenty of water.
If swallowed	:	Rinse mouth. Get medical attention if symptoms occur.

: Get medical attention if symptoms occur.

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

See Section 11 for more detailed information on health effects and symptoms.

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

Treatment

If inhaled

: Treat symptomatically.

# Section: 5. FIREFIGHTING MEASURES

### Product AS SOLD

#### 5.1 Extinguishing media

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	:	None known.

# 5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	: Not flammable or combustible.
Hazardous combustion products	<ul> <li>Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus</li> </ul>

#### 5.3 Advice for firefighters

APEX RINSE	
Special protective equipment for firefighters	: Use personal protective equipment.
Further information	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.
Section: 6. ACCIDENTAL RELEA	SE MEASURES

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

	Product AS SOLD Advice for non-emergency personnel	:	Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
	Advice for emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
	Product AT USE DILUTION		
	Advice for non-emergency personnel	:	Refer to protective measures listed in sections 7 and 8.
	Advice for emergency responders	:	If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.
6.2	Environmental precautions		
	Product AS SOLD		
	Environmental precautions	:	Do not allow contact with soil, surface or ground water.
	Product AT USE DILUTION		
	Environmental precautions	:	No special environmental precautions required.
6.3	Methods and materials for co		
	Product AS SOLD		

Methods for cleaning up	:	Sweep up and shovel into suitable containers for disposal. Sweep up and shovel into suitable containers for disposal.
Product AT USE DILUTION Methods for cleaning up	:	Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### 6.4 Reference to other sections

See Section 1 for emergency contact information. For personal protection see section 8. See Section 13 for additional waste treatment information.

# Section: 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

<b>Product AS SOLD</b> Advice on safe handling	: Avoid contact with skin and eyes. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation. Wash hands thoroughly after handling.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.
Product AT USE DILUTION	
Advice on safe handling	: Wash hands after handling. For personal protection see section 8.
Hygiene measures	: Wash hands before breaks and immediately after handling the product.

## 7.2 Conditions for safe storage, including any incompatibilities

Product AS SOLD Requirements for storage areas and containers	:	Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
Storage temperature	:	0 °C to 50 °C

#### Product AT USE DILUTION

Requirements for storage	: Keep out of reach of children. Keep container tightly closed. Store
areas and containers	in suitable labeled containers.

# 7.3 Specific end uses

Product AS SOLD	
Specific use(s)	: Dishwash and rinse aid product; Automatic process

## Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

#### Product AS SOLD

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

#### Product AS SOLD Appropriate engineering controls

Engineering measures	:	Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.
Individual protection measu	res	
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.
Eye/face protection (EN 166)	:	Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.

APEX RINSE		
Hand protection (EN 374)	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	
Skin and body protection (EN 14605)	: No special protective equipment required.	
Respiratory protection (EN 143, 14387)	: When respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization, consider the use of certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent, with filter type:P	
Product AT USE DILUTION Appropriate engineering con	trols	
Engineering measures	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	
Individual protection measur	res	
Hygiene measures	: Wash hands before breaks and immediately after handling the product.	
Eye/face protection (EN 166)	: No special protective equipment required.	
Hand protection (EN 374)	: No special protective equipment required.	
Skin and body protection (EN 14605)	: No special protective equipment required.	
Respiratory protection (EN 143, 14387)	: None required if airborne concentrations are maintained below the exposure limit listed in Exposure Limit Information. Use certified respiratory protection equipment meeting EU requirements(89/656/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.	

### **Environmental exposure controls**

General advice	: Consider the provision of containment around storage vessels.
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# Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

# 9.1 Information on basic physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Appearance	: Extruded solid.	liquid
Colour	: clear, dark green	light green
Odour	: odourless	
рН	: 4.5 - 7.0, 1 %	5.8 - 6.1
Flash point	: Not applicable., Does not susta	in combustion.

Odour Threshold	: Not applicable and/or not determined for the mixture
Melting point/freezing point	: Not applicable and/or not determined for the mixture
Initial boiling point and boiling range	: Not applicable and/or not determined for the mixture
Evaporation rate	: Not applicable and/or not determined for the mixture
Flammability (solid, gas)	: Not applicable and/or not determined for the mixture
Upper explosion limit	: Not applicable and/or not determined for the mixture
Lower explosion limit	: Not applicable and/or not determined for the mixture
Vapour pressure	: Not applicable and/or not determined for the mixture
Relative vapour density	: Not applicable and/or not determined for the mixture
Relative density	: 1.0 - 1.2
Water solubility	: soluble
Solubility in other solvents	: Not applicable and/or not determined for the mixture
Partition coefficient: n- octanol/water	: Not applicable and/or not determined for the mixture
Auto-ignition temperature	: Not applicable and/or not determined for the mixture
Thermal decomposition	: Not applicable and/or not determined for the mixture
Viscosity, kinematic	: Not applicable and/or not determined for the mixture
Explosive properties	: Not applicable and/or not determined for the mixture
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

## 9.2 Other information

Not applicable and/or not determined for the mixture

## Section: 10. STABILITY AND REACTIVITY

#### Product AS SOLD 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

## 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

#### 10.4 Conditions to avoid

None known.

#### 10.5 Incompatible materials

None known.

# **10.6 Hazardous decomposition products**

Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus

## Section: 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

# Product AS SOLD Information on likely routes of : Eye contact, Skin contact exposure

#### Product

Acute oral toxicity	:	Acute toxicity estimate : > 2,000 mg/kg
Acute inhalation toxicity	:	There is no data available for this product.
Acute dermal toxicity	:	There is no data available for this product.
Skin corrosion/irritation	:	No skin irritation
Serious eye damage/eye irritation	:	Mild eye irritation
Respiratory or skin sensitization	:	There is no data available for this product.
Carcinogenicity	:	There is no data available for this product.
Reproductive effects	:	There is no data available for this product.
Germ cell mutagenicity	:	There is no data available for this product.
Teratogenicity	:	There is no data available for this product.
STOT - single exposure	:	There is no data available for this product.
STOT - repeated exposure	:	There is no data available for this product.
Aspiration toxicity	:	There is no data available for this product.
Components		
Acute oral toxicity	:	Urea LD50 rat: 8,471 mg/kg
		alcohols, c10-16, ethoxylated LD50 rat: 1,000 mg/kg
		Kathon CG-ICP Microbiocide Acute toxicity estimate : > 2,000 mg/kg
Components		

APEX RINSE	
Acute inhalation toxicity	<ul> <li>oxirane, methyl-, polymer with oxirane</li> <li>4 h LD50 rat: 1 mg/l</li> </ul>
	Urea 4 h LC50 rat: 2.71 mg/l
	alcohols, c10-16, ethoxylated 4 h LC50 rat: 50 mg/l
	Kathon CG-ICP Microbiocide 4 h Acute toxicity estimate : > 5 mg/l
Components	
Acute dermal toxicity	: Urea LD50 rat: 8,200 mg/kg
	Kathon CG-ICP Microbiocide Acute toxicity estimate : > 2,000 mg/kg
Potential Health Effects	
Product AS SOLD Eyes	: Causes serious eye irritation.
Skin	: May cause allergic skin reaction.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.
Product AT USE DILUTION Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.
Experience with human expe	osure
Product AS SOLD Eye contact	: Redness, Pain, Irritation
Skin contact	: Redness, Irritation, Allergic reactions
	No symptoms known or expected.
Ingestion	: No symptoms known or expected.
	No symptoms known or expected.
Inhalation	: No symptoms known or expected.
	No symptoms known or expected.
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## Product AT USE DILUTION

Eye contact : No symptoms known or expected.

# Section: 12. ECOLOGICAL INFORMATION

### Product AS SOLD 12.1 Ecotoxicity

Environmental Effects	:	This product has no known ecotoxicological effects.
Product		
Toxicity to fish	:	96 h LC50: > 120 mg/l
Toxicity to daphnia and other aquatic invertebrates	:	no data available
Toxicity to algae	:	no data available
Components		
Toxicity to fish	:	oxirane, methyl-, polymer with oxirane 96 h LC50 Fish: > 100 mg/l
		Urea 96 h LC50 Fish: 127.9 mg/l
Components		
Toxicity to daphnia and other aquatic invertebrates	:	alcohols, c10-16, ethoxylated 48 h EC50: > 0.1 mg/l
12.2 Persistence and degradabil	ity	

#### Product

no data available

#### Components

Biodegradability	:	oxirane, methyl-, polymer with oxirane
		Result: Readily biodegradable.

Urea Result: Readily biodegradable.

alcohols, c10-16, ethoxylated Result: Readily biodegradable.

Kathon CG-ICP Microbiocide Result: Poorly biodegradable

## 12.3 Bioaccumulative potential

no data available

## 12.4 Mobility in soil

no data available

## 12.5 Results of PBT and vPvB assessment

#### Product

Assessment

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### 12.6 Other adverse effects

no data available

#### Section: 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with the European Directives on waste and hazardous waste.Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

#### 13.1 Waste treatment methods

Product AS SOLD Product	:	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Contaminated packaging	:	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.
Guidance for Waste Code selection	:	Organic wastes containing dangerous substances. If this product is used in any further processes, the final user must redefine and assign the most appropriate European Waste Catalogue Code. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable European (EU Directive 2008/98/EC) and local regulations.
Product AT USE DILUTION Product	:	Diluted product can be flushed to sanitary sewer.
Contaminated packaging	:	Dispose of in accordance with local, state, and federal regulations.

#### Section: 14. TRANSPORT INFORMATION

#### Product AS SOLD

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (ADR/ADN/RID)

14.1 UN number	: Not dangerous goods
14.2 UN proper shipping	: Not dangerous goods

name	
14.3 Transport hazard	: Not dangerous goods
class(es)	5 5
14.4 Packing group	: Not dangerous goods
14.5 Environmental hazards	: Not dangerous goods
14.6 Special precautions for	: Not dangerous goods
user	0 0

## Air transport (IATA)

14.1 UN number	: Not dangerous goods
14.2 UN proper shipping	: Not dangerous goods
name	
14.3 Transport hazard	: Not dangerous goods
class(es)	
14.4 Packing group	: Not dangerous goods
14.5 Environmental hazards	: Not dangerous goods
14.6 Special precautions for	: Not dangerous goods
user	

## Sea transport (IMDG/IMO)

14.1 UN number	: Not dangerous goods
14.2 UN proper shipping	: Not dangerous goods
name	
14.3 Transport hazard	: Not dangerous goods
class(es)	
14.4 Packing group	: Not dangerous goods
14.5 Environmental hazards	: Not dangerous goods
14.6 Special precautions for	: Not dangerous goods
user	
14.7 Transport in bulk	: Not dangerous goods
according to Annex II of	
MARPOL 73/78 and the IBC	
Code	

## Section: 15. REGULATORY INFORMATION

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

according to Detergents	:	30 % and more: Non-ionic surfactants
Regulation EC 648/2004		Preservation agents:
		A mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-
		2H-isothiazol-3-one (3:1)

### **National Regulations**

Take note of Dir 94/33/EC on the protection of young people at work.

Other regulations	: The Chemicals (Hazard Information and Packaging for Supply)
	Regulations.
	The Control of Substances Hazardous to Health Regulations.
	Health and Safety at Work Act.

## **15.2 Chemical Safety Assessment**

This product contains substances for which Chemical Safety Assessments are still required.

### Section: 16. OTHER INFORMATION

#### Procedure used to derive the classification according to REGULATION (EC) No 1272/2008

Classification	Justification
Eye irritation 2, H319	On basis of test data.
Skin sensitization 1, H317	Calculation method

#### Full text of H-Statements

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS – Australian Inventory of Chemical Substances; ASTM – American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL -Domestic Substances List (Canada); ECHA – European Chemicals Agency; EC-Number – European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan): ErCx - Concentration associated with x% growth rate response; GHS – Globally Harmonized System; GLP – Good Laboratory Practice; IARC – International Agency for Research on Cancer; IATA - International Air Transport Association; IBC -International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO – International Maritime Organization; ISHL – Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 – Lethal Concentration to 50 % of a test population; LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL – International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC No Observed (Adverse) Effect Concentration; NO(A)EL – No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD – Organization for Economic Co-operation and Development; OPPTS – Office of Chemical Safety and Pollution Prevention; PBT – Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID – Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet: TCSI – Taiwan Chemical Substance Inventory; TRGS – Technical Rule for Hazardous Substances; TSCA – Toxic Substances Control Act (United States); UN – United Nations; vPvB – Very Persistent and Very Bioaccumulative

Prepared by : Regulatory Affairs

Numbers quoted in the MSDS are given in the format: 1,000,000 = 1 million and 1,000 = 1 thousand. 0.1 = 1 tenth and 0.001 = 1 thousandth

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

## ANNEX: EXPOSURE SCENARIOS

#### **DPD+ Substances:**

The following substances are the lead substances that contribute to the mixture Exposure Scenario according to the DPD+ Rule:

Route	Substance	CAS-No.	EINECS-No.
Ingestion	alcohols, c10-16, ethoxylated	68002-97-1	500-182-6
Inhalation	oxirane, methyl-, polymer with oxirane	9003-11-6	
Dermal	A mixture of: 5-chloro-2-methyl-2H- isothiazol-3-one and 2-methyl-2H- isothiazol-3-one (3:1)	55965-84-9	
Eyes	alcohols, c10-16, ethoxylated	68002-97-1	500-182-6
aquatic environment	alcohols, c10-16, ethoxylated	68002-97-1	500-182-6

#### **Physical properties DPD+ Substances:**

Substance	Vapour pressure	Water solubility	Pow	Molar Mass
alcohols, c10-16, ethoxylated	0.013 hPa	125.3 g/l	489.7	

To calculate if your downstream Operating Conditions and Risk management Measures are safe, please calculate your risk factor at the website below:

#### www.ecetoc.org/tra

Short title of Exposure Scenario	:	Dishwash and rinse aid product; Automatic process
Use descriptors		
Main User Groups	:	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

APEX RINSE		
Sectors of end-use	:	<b>SU22:</b> Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Process categories	:	<b>PROC2:</b> Use in closed, continuous process with occasional controlled exposure <b>PROC8b:</b> Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities
Product categories	:	<b>PC35:</b> Washing and cleaning products (including solvent based products)
Environmental Release Categories	:	<b>ERC8a:</b> Wide dispersive indoor use of processing aids in open systems