

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

**1.1. Product identifier**

Product form : Mixture  
Product name : Cool Care Blue  
Product code : 918  
Type of product : Detergent  
Product group : Mixture

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

**1.2.1. Relevant identified uses**

Main use category : Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Detergent

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet**

**Supplier**

Christeyns NV  
Afrikalaan 182  
9000 GENT  
Belgium  
T +32 (0)9/ 223 38 71 - F +32 (0)9/ 233 03 44  
[info@christeyns.be](mailto:info@christeyns.be) - [www.christeyns.com](http://www.christeyns.com)

**Distributor**

Casoria Company Ltd. Ltd  
1 Farnham Street  
IE- H12 A9K0 Cavan – Co. Cavan  
Ireland  
T 00353 49 4361869 - F 00353 49 436 1869  
[sds@casoria.ie](mailto:sds@casoria.ie) - [www.casoria.ie](http://www.casoria.ie)

**Distributor**

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Rutland Street  
GB- Bradford BD4 7EA  
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T +44 (0)1274 39 32 86 - F +44 (0)1274 30 91 43  
[info@christeyns.be](mailto:info@christeyns.be) - [www.christeyns.com](http://www.christeyns.com)

**Distributor**

Christeyns Technologies Ltd.  
Mazars, Block 3, Harcourt Centre, Harcourt Road  
IE- 2 Dublin  
Ireland  
T Tel: +353 1 8146022

**Distributor**

Christeyns Food Hygiene Ltd. Ltd  
2, Cameron Court, Winwick Quay  
GB- WA2 8RE Warrington – Cheshire  
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T +44(0)1925 234696 - F +44(0)1925 234693  
[UK-foodinfo@christeyns.com](mailto:UK-foodinfo@christeyns.com) - [www.christeyns.com](http://www.christeyns.com)

**1.4. Emergency telephone number**

Country	Official advisory body	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals

**SECTION 2: Hazards identification**

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

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Dam. 1 H318

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

**Adverse physicochemical, human health and environmental effects**

No additional information available

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

CLP Signal word : Danger  
Contains : Ethoxylated alcohol  
Hazard statements (CLP) : H318 - Causes serious eye damage.  
Precautionary statements (CLP) : P280 - Wear protective gloves, protective clothing, eye protection.  
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

Component	
Ethoxylated alcohol (69011-36-5)	PBT: not relevant – no registration required vPvB: not relevant – no registration required

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethoxylated alcohol	CAS-no: 69011-36-5 Einecs nr: 931-138-8 REACH-no: Exempted (polymer)	10 – 30	Eye Dam. 1, H318 Aquatic Chronic 3, H412
Monopropylene glycol; 1,2-propane glycol substance with national workplace exposure limit(s) (IE, GB)	CAS-no: 57-55-6 Einecs nr: 200-338-0 REACH-no: 01-2119456809-23	5 – 10	Not classified
Ethoxylated Alcohol	CAS-no: 157627-86-6 Einecs nr: 500-337-8 REACH-no: Exempted (polymer)	5 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Aliphatic alcohol, ethoxylated/propoxylated	CAS-no: 111905-53-4 Einecs nr: 601-137-4 REACH-no: Exempted (polymer)	3 – 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 3, H412
Sodium cumenesulphonate	CAS-no: 15763-76-5 Einecs nr: 239-854-6 REACH-no: 01-2119489411-37	3 – 5	Eye Irrit. 2, H319

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice : In case of doubt or persistent symptoms, consult always a physician.  
Inhalation : Take victim to fresh air, in a quiet place and if necessary take medical advice.  
Skin contact : Take off immediately all contaminated clothing. Wash off with plenty of water. In case of faintness or symptoms of skin irritation appear, take medical advice.

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Eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Ingestion : Rinse mouth out with water. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Acute effects inhalation : Presents no particular risk when handled in accordance with good occupational hygiene practice.

Acute effects skin : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

Acute effects eyes : Causes serious eye damage.

Acute effects oral route : Presents no particular risk when handled in accordance with good occupational hygiene practice.

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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : In case of fire in the surroundings: all extinguishing agents allowed.

### 5.2. Special hazards arising from the substance or mixture

Explosion hazard : Not applicable.

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed container for disposal.

### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hygiene measures : Do not eat, drink or smoke when using this product. Remove contaminated clothes. Always wash hands after handling the product.

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

No additional information available

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Monopropyleneglycol; 1,2-propane glycol (57-55-6)	
Ireland - Occupational Exposure Limits	
Local name	Propane-1,2-diol [Propylene glycol]
OEL TWA [1]	470 mg/m <sup>3</sup> total (vapour and particulates) 10 mg/m <sup>3</sup> particulates
OEL TWA [2]	150 ppm total (vapour and particulates)
Regulatory reference	Chemical Agents Code of Practice 2021

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<b>Monopropyleneglycol; 1,2-propane glycol (57-55-6)</b>	
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Propane-1,2-diol
WEL TWA (OEL TWA) [1]	10 mg/m <sup>3</sup> particulates 474 mg/m <sup>3</sup> total vapour and particulates
WEL TWA (OEL TWA) [2]	150 ppm total vapour and particulates
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 8.1.2. Recommended monitoring procedures

No additional information available

### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

No additional information available

### 8.2.2. Personal protection equipment

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side-shields (EN 166)

#### 8.2.2.2. Skin protection

##### Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

##### Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No personal breathing protective equipment is normally required.

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Light yellow.
Physical state/form	: Liquid.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/range	: < 0 °C
Freezing point	: Not available
Boiling point/Boiling range	: Not available
Flammability	: Not available
Explosive limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable

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Autoignition temperature	: Not available
Decomposition temperature	: Not available
pH	: 8.6 ± 0,5 (100%)
Viscosity, kinematic	: Not available
Solubility	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50 °C	: Not available
Density	: 1 kg/l
Relative density	: Not available
Relative vapour density at 20 °C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No decomposition if stored normally.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Humid air.

### 10.5. Incompatible materials

Never mix with other materials.

### 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 hazard classes as defined in Regulation (EC) No 1272/2008

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

#### Monopropyleneglycol; 1,2-propane glycol (57-55-6)

LD50 oral rat	20 g/kg
LD50 dermal rat	22500 mg/kg
LD50 dermal rabbit	20800 mg/kg

#### Ethoxylated alcohol (69011-36-5)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

#### Ethoxylated Alcohol (157627-86-6)

LD50 oral rat	300 – 2000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg

#### Aliphatic alcohol, ethoxylated/propoxylated (111905-53-4)

LD50 oral rat	> 300 (≤ 2000) mg/kg
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#### Sodium cumenesulphonate (15763-76-5)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	≥ 2000 mg/kg bodyweight

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Skin corrosion/irritation	: Not classified pH: 8.6 ± 0,5 (100%)
Serious eye damage/irritation	: Causes serious eye damage. pH: 8.6 ± 0,5 (100%)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

### Sodium cumenesulphonate (15763-76-5)

NOAEL (chronic, oral, animal/female, 2 years)	≥ 60 mg/kg bodyweight (OECD 453 method)
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

### Sodium cumenesulphonate (15763-76-5)

NOAEL (oral, rat, 90 days)	763 – 3534 mg/kg bodyweight (OECD 408 method)
Aspiration hazard	: Not classified

#### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

### Monopropyleneglycol; 1,2-propane glycol (57-55-6)

LC50 - Fish [1]	51400 mg/l
LC50 - Fish [2]	51600 mg/l
EC50 - Crustacea [1]	34400 mg/l

### Ethoxylated alcohol (69011-36-5)

LC50 - Fish [1]	4.6 mg/l (Leuciscus idus)
EC50 - Crustacea [1]	2.4 mg/l
ErC50 algae	2.9 mg/l (Scenedesmus subspicatus)
NOEC chronic fish	> 0.1 mg/l

### Ethoxylated Alcohol (157627-86-6)

LC50 - Fish [1]	1 – 10 mg/l
EC50 - Crustacea [1]	1 – 10 mg/l
ErC50 other aquatic plants	1 – 10 mg/l

### Aliphatic alcohol, ethoxylated/propoxylated (111905-53-4)

LC50 - Fish [1]	> 1 (≤ 10) mg/l
EC50 - Crustacea [1]	> 1 (≤ 10) mg/l
NOEC chronic crustacea	> 0.1 (≤ 1) mg/l

### Sodium cumenesulphonate (15763-76-5)

LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 96h - Algae [1]	≥ 758 mg/l Pseudokirchneriella subcapitata
ErC50 algae	> 100 mg/l

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### 12.2. Persistence and degradability

Cool Care Blue	
Persistence and degradability	No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended.

Ethoxylated alcohol (69011-36-5)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.

Ethoxylated Alcohol (157627-86-6)	
Persistence and degradability	Readily biodegradable, according to appropriate OECD test.
Biodegradation	≥ 90 % (mod. OECD 303A)

### 12.3. Bioaccumulative potential

Monopropyleneglycol; 1,2-propane glycol (57-55-6)	
Log Pow	-1.36

Ethoxylated alcohol (69011-36-5)	
Partition coefficient n-octanol/water (Log Kow)	< 4
Bioaccumulative potential	There is no bioaccumulation.

Ethoxylated Alcohol (157627-86-6)	
Partition coefficient n-octanol/water (Log Kow)	< 4

Aliphatic alcohol, ethoxylated/propoxylated (111905-53-4)	
Partition coefficient n-octanol/water (Log Kow)	< 4

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste / unused products

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

European List of Waste (LoW) code

: 20 01 29\* - detergents containing dangerous substances

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>		
Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>		
Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>		
Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

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### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

#### Detergent Regulation (648/2004/EC): Labelling of contents:

Component	%
non-ionic surfactants	15-30%
soap	5-15%
anionic surfactants	<5%
SUBTILISIN	
Cellulase	
amylase, α-	
SODIUM FORMATE	

Contains no substance subject to Regulation (EC) 273/2004 of the European Parliament and of the Council of 11 February 2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances.

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

#### Indication of changes

Section	Changed item	Change	Comments
9.1	Density	Modified	

#### Abbreviations and acronyms:

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level



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Abbreviations and acronyms:	
EC50	Median effective concentration
ErC50 (algae)	ErC50 (algae)
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
SDS	Safety Data Sheet
STP	Sewage treatment plant
vPvB	Very Persistent and Very Bioaccumulative

### Other information

: It is recommended to pass the information of this safety data sheet in an appropriate form to the users. Such information is actually the best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other products.  
This safety data sheet is in compliance with 1907/2006/EEC. It is user's liabilities to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Eye Dam. 1	H318	Calculation method

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.