



Companion in Hygiene Solutions

**SAFETY DATA SHEET**  
according to Regulation (EU) 2015/830

**4N Liquid Sanitiser**

Revision: 1  
Revision date: 30/06/2020

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

**1.1 Product identifier**

<b>Product name</b>	4N Liquid Sanitiser
---------------------	---------------------

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

<b>Product Use</b>	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);
--------------------	---

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

<b>Company Address</b>	Ionic Products Ltd Blaris Industrial Estate, Altona Road, Lisburn, Co Antrim BT27 5QB United Kingdom
<b>Web</b>	<a href="http://www.ionicproductsltd.com">www.ionicproductsltd.com</a>
<b>Telephone</b>	028 9267 3331
<b>Email:</b>	<a href="mailto:Info@ionicproductsltd.com">Info@ionicproductsltd.com</a>

**1.4 Emergency telephone number**

<b>Emergency telephone number</b>	028 9267 3331. In the event of a medical enquiry involving this product, please contact your GP or local A&E dept. Ireland: National Poisons Centre, Beaumont Hospital, Dublin 9 Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Tel: 01 809 2566 (health care professionals)
-----------------------------------	--

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

<b>2.1.2 Classification - EC 1272/2008</b>	Skin Irrit. 2: H315; Eye Dam. 1: H318; Aquatic Chronic 1: H410;
--	---

**2.2 Label elements**

<b>Hazard pictograms</b>	
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Skin Irrit. 2: H315 - Causes skin irritation. Eye Dam. 1: H318 - Causes serious eye damage. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.
<b>Precautionary Statement: Prevention</b>	P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P302+P352 - IF ON SKIN: Wash with plenty of water/ . P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P391 - Collect spillage.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

**SECTION 3: Composition/information on ingredients****3.2 Mixtures****EC 1272/2008**

Chemical name	Index No.	CAS No.	EC No.	REACH registration Number	Conc (%w/w)	Classification
Alcohols, C12-14 (Even numbered), ethoxylated (*R01)		68002-97-1			1-10%	Acute Tox. 4: H302; Eye Dam. 1: H318; Aquatic Chronic 3: H412;
Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01)		68424-85-1	270-325-2		1-10%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410;
Trisodium orthophosphate		7601-54-9	231-509-8	01-2119489800-32	1-10%	Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335;

Active substance(s): Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)). : 4.2g/100g.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>Inhalation</b>	Move the exposed person to fresh air. Seek medical attention.
<b>Eye contact</b>	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Ingestion</b>	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. <b>DO NOT INDUCE VOMITING.</b>

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

<b>Inhalation</b>	May cause irritation to respiratory system.
<b>Eye contact</b>	Irritating to eyes.
<b>Skin contact</b>	No irritation expected.
<b>Ingestion</b>	Irritant.

**4.3 Indication of any immediate medical attention and special treatment needed**

	No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.
--	--

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

	Use extinguishing media appropriate to the surrounding fire conditions.
--	---

**5.2 Special hazards arising from the substance or mixture**

	Burning produces irritating, toxic and obnoxious fumes.
--	---

**5.3 Advice for firefighters**

	Wear suitable respiratory equipment when necessary.
--	---

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
--	--

**6.2 Environmental precautions**

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

**6.3 Methods and material for containment and cleaning up**

	Do not allow product to enter drains. Prevent further spillage if safe.
--	---

**6.4 Reference to other sections**

	For personal protective equipment see subsection 8.2. For disposal considerations see section 13.
--	---

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best manual handling considerations when handling, carrying and dispensing.
--	--

**7.2 Conditions for safe storage, including any incompatibilities**



	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. For incompatibilities refer to section 10.4.
--	---

**7.3 Specific end use(s)**

	No specific advice for end use available.
--	---

## SECTION 8: Exposure controls/personal protection

### 8.2 Exposure controls

<b>8.2.1 Appropriate engineering controls</b> <b>8.2.2 Individual protection measures</b> <b>Eye / face protection</b> <b>Skin protection -</b> <b>Hand protection</b> <b>Respiratory protection</b>	 
	Adopt best Manual Handling considerations when handling, carrying and dispensing. Take off immediately all contaminated clothing. Wash hands after handling the product.
	Ensure adequate ventilation of the working area.
	Use appropriate personal protective equipment.
	Safety glasses. (EN166)
Wash hands after handling the product. For prolonged contact protection for the skin may be necessary. (EN374)	
Not normally required. Do not breathe gas/fumes/vapour/spray.	

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Purple
<b>Odour</b>	Characteristic
<b>pH</b>	10
<b>Melting point</b>	Not determined
<b>Freezing Point</b>	Not determined
<b>Initial boiling point</b>	Not determined
<b>Flash point</b>	Not determined
<b>Evaporation rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable to liquids
<b>Fat Solubility</b>	Not determined
<b>Partition coefficient</b>	Not determined
<b>Autoignition temperature</b>	Not determined
<b>Viscosity</b>	<100 cp @20°C
<b>Explosive properties</b>	Not explosive
<b>Oxidising properties</b>	Not oxidising
<b>Solubility</b>	Soluble in water
<b>Vapour pressure</b>	Not determined

### 9.2 Other information

<b>Conductivity</b>	Not determined
<b>Surface tension</b>	Not determined
<b>Specific gravity</b>	1.01 g/cm <sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

	No reactivity hazards known under normal storage and use conditions.
--	--

### 10.2 Chemical stability

	Stable under normal conditions.
--	---------------------------------

### 10.3 Possibility of hazardous reactions

	No other adverse effects known.
--	---------------------------------

### 10.4 Conditions to avoid

	Avoid contact with: Acids.
--	----------------------------

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

<b>Skin corrosion/irritation</b>	Irritating to eyes.
<b>Germ cell mutagenicity</b>	No mutagenic effects reported.
<b>Carcinogenicity</b>	No carcinogenic effects reported.
<b>Reproductive toxicity</b>	No observed effect level.

#### 11.1.4 Toxicological Information

<b>Alcohols, C12-14 (Even numbered), ethoxylated (*R01)</b>	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50 NDA
	Oral Rat LD50: 100 mg/kg	Oral Mouse LD50: NDA

	Dermal Rabbit LD50: 2,000 mg/kg	Dermal Guinea Pig LD50 NDA
Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01)	Inhalation Rat LC50/15min: NDA	Dermal Rat LD50 800-1420 mg/kg
	Oral Rat LD50: 240 - 400mg/kg	Oral Mouse LD50 NDA
	Dermal Rabbit LD50: NDA	Dermal Guinea Pig LD50: NDA
Trisodium orthophosphate	Acute oral toxicity NDA	
	Acute inhalation toxicity NDA	
	Acute dermal toxicity NDA	

## SECTION 12: Ecological information

### 12.1 Toxicity

Alcohols, C12-14 (Even numbered), ethoxylated (*R01)	Daphnia EC50/48h: NDA		
	Fish LC50/96h: NDA		
	Algae IC50/72h: NDA		
Alkyl (C12-16) dimethylbenzyl ammonium chloride (*R01)	Daphnia EC50/48h: 0.0200 mg/l	Daphnia LC50/48h: 0.02mg/l	
	Green algae EC50/96h: 0.06mg/l		
	Fish LC50/96h: 1.2000 mg/l		
Trisodium orthophosphate	Algae LC50/72h: NDA		
	Fish LC50/96h: NDA		
	Daphnia EC50/48h: NDA		

### 12.2 Persistence and degradability

No data is available on this product.

### 12.3 Bioaccumulative potential

No data is available on this product.

### Partition coefficient

No data is available on this product.

### 12.4 Mobility in soil

No data is available on this product.

### 12.5 Results of PBT and vPvB assessment

Substances that fulfill the criteria for PBT/vPvB, if any, are listed in section 3.

### 12.6 Other adverse effects

No other adverse effects known.

## SECTION 13: Disposal considerations

### General information

Dispose of in compliance with all local and national regulations.

### Disposal of packaging

Dispose of in compliance with all local and national regulations.  
Empty containers can be cleaned with water.

### Further information

European Waste Catalogue: 20 01 29.

## SECTION 14: Transport information

### Hazard pictograms



### 14.1 UN number

UN3082

**14.2 UN proper shipping name**

	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ALKYL DIMETHYLBENZYL AMMONIUM CHLORIDE)
--	--

**14.3 Transport hazard class(es)**

<b>ADR/RID</b>	9
<b>Subsidiary risk</b>	-
<b>IMDG</b>	9
<b>Subsidiary risk</b>	-
<b>IATA</b>	9
<b>Subsidiary risk</b>	-

**14.4 Packing group**

<b>Packing group</b>	III
----------------------	-----

**14.5 Environmental hazards**

<b>Environmental hazards</b>	Yes
<b>Marine pollutant</b>	Yes

**ADR/RID**

<b>Hazard ID</b>	90
<b>Tunnel Category</b>	E

**IMDG**

<b>EmS Code</b>	F-A-S-F
-----------------	---------

**IATA**

<b>Packing Instruction (Cargo)</b>	964
<b>Maximum quantity</b>	450L
<b>Packing Instruction (Passenger)</b>	964
<b>Maximum quantity</b>	450L

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

	<p>EU regulations:</p> <ul style="list-style-type: none"> <li>• Regulation(EC)No.1907/2006 - REACH</li> <li>• Regulation(EC)No1272/2008 - CLP</li> <li>• Regulation(EC)No.648/2004 - Detergents regulation</li> </ul> <p>Ingredients according to EC Detergents Regulation 648/2004 Less than 5%: Cationic surfactants, Non ionic surfactants, Phosphates</p>
--	---

**15.2 Chemical safety assessment**

	A chemical safety assessment has not been carried out on the mixture.
--	---

**SECTION 16: Other information****Other information**

<b>Revision</b>	This document differs from the previous version in the following areas:
<b>Acronyms</b>	<p>Changes to sections 1, 3, 8, 9, 11, 12, 15</p> <p>LC: Lethal concentration. LD: Lethal dose. NDA - No data available. NOAEC: No observed adverse effect concentration. NOAEL: No observed adverse effect level. NOEC: No observed effect concentration. NOEL: No observed effect level. PBT: Persistent, bioaccumulative and toxic. SVHC. Substance of very high concern. vPvB. Very persistent and very bioaccumulative. *R01 - Polymer REACH number not available.</p>
<b>Text of Hazard Statements in Section 3</b>	<p>Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H335 - May cause respiratory irritation.</p>

**Further information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.

Internal ref: F000046