

# Summary of product characteristics for a biocidal product

**Family name:** HCl Family A

**Product type(s):** PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

**Authorisation number:** LV/16/NA/01

**R4BP 3 asset reference number:** LV-0005101-0000

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## Part I.- First information level

### 1. Administrative information

#### 1.1. Family name

HCI Family A

#### 1.2. Product type(s)

PT02 - Disinfectants and algaecides not intended for direct application to humans or animals (Disinfectants)

#### 1.3. Authorisation holder

##### Name and address of the authorisation holder

Name	Reckitt Benckiser Production (Poland) Sp z o.o.
Address	Okunin 1 05-100 Nowy Dwor Mazowiecki Poland

##### Authorisation number

LV/16/NA/01

##### R4BP 3 asset reference

LV-0005101-0000

##### Date of the authorisation

30/06/2016

##### Expiry date of the

30/04/2024

#### 1.4. Manufacturer(s) of the biocidal products

##### Name of the manufacturer

Reckitt Benckiser (UK) Ltd

##### Address of the manufacturer

Sinfin Lane DE24 9GG Derby United Kingdom

##### Location of manufacturing

Sinfin Lane DE24 9GG Derby United Kingdom

<b>Name of the manufacturer</b>	Reckitt Benckiser Production (Poland) sp z.o.o.
<b>Address of the manufacturer</b>	Ul Okunin 1 05-100 Nowy Dwor Mazowiecki Poland
<b>Location of manufacturing</b>	Ul Okunin 1 05-100 Nowy Dwor Mazowiecki Poland

<b>Name of the manufacturer</b>	P.P.H.U. TRANS-CHEM,
<b>Address of the manufacturer</b>	ul. Przemysłowa 5 05-100 Nowy Dwor Mazowiecki Poland
<b>Location of manufacturing</b>	ul. Przemysłowa 5 05-100 Nowy Dwor Mazowiecki Poland

#### 1.5. Manufacturer(s) of the active substance(s)

<b>Active substance</b>	36 - Hydrochloric acid
<b>Name of the manufacturer</b>	Ineos Chlor Limited
<b>Address of the manufacturer</b>	South Parade, PO Box 9 WA7 4JE Runcorn United Kingdom
<b>Location of manufacturing</b>	South Parade, PO Box 9 WA7 4JE Runcorn United Kingdom

<b>Active substance</b>	36 - Hydrochloric acid
<b>Name of the manufacturer</b>	BASF SE
<b>Address of the manufacturer</b>	Carl-Bosch-Str. 38, Ludwigshafen am Rhein, Rheinland-Pfalz 67056 Ludwigshafen Germany
<b>Location of manufacturing</b>	Carl-Bosch-Str. 38, Ludwigshafen am Rhein, Rheinland-Pfalz 67056 Ludwigshafen Germany

<b>Active substance</b>	36 - Hydrochloric acid
<b>Name of the manufacturer</b>	PCC Rokita SA
<b>Address of the manufacturer</b>	ul. Sienkiewicza 4 56-120 Brzeg Dolny Poland
<b>Location of manufacturing</b>	ul. Sienkiewicza 4 56-120 Brzeg Dolny Poland

<b>Active substance</b>	36 - Hydrochloric acid
<b>Name of the manufacturer</b>	Brenntag Polska Sp. z.o.o.
<b>Address of the manufacturer</b>	ul. J. Bema 21 47-224 Kędzierzyn-Koźle Poland
<b>Location of manufacturing</b>	ul. J. Bema 21 47-224 Kędzierzyn-Koźle Poland

<b>Active substance</b>	36 - Hydrochloric acid
<b>Name of the manufacturer</b>	Industrial Chemicals Limited
<b>Address of the manufacturer</b>	Hogg Lane, Grays, Essex, RM17 5DU Grays United Kingdom
<b>Location of manufacturing</b>	Stoneness Road, West Thurrock, Grays, Essex RM20 3AG Grays United Kingdom

<b>Active substance</b>	36 - Hydrochloric acid
<b>Name of the manufacturer</b>	Borregaard AS
<b>Address of the manufacturer</b>	PO Box 162 N-1071 Sarpsborg Norway
<b>Location of manufacturing</b>	Gardsgata 20, C-Port 1721 Sarpsborg Norway

## 2. Product family composition and formulation

### 2.1. Qualitative and quantitative information on the composition of the family

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9 - 9

Tallow trimethylammonium	Quaternary ammonium compounds,	8030-78-2	232-447-4	0 - 0.425
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	61791-44-4	263-177-5	0 - 1.485

## 2.2. Type(s) of formulation

Ready to use Liquid

## Part II.- Second information level - meta SPC(s)

### 1. Meta SPC administrative information

#### 1.1. Meta SPC identifier

Toilet disinfection

#### 1.2. Suffix to the authorisation number

1-1

#### 1.3 Product type(s)

PT02 - Disinfectants and algacides not intended for direct application to humans or animals (Disinfectants)

## 2. Meta SPC composition

### 2.1. Qualitative and quantitative information on the composition of the meta SPC

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9 - 9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0 - 0.425
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	0 - 1.485

## 2.2. Type(s) of formulation of the meta SPC

Formulation(s)

Ready to use Liquid

## 3. Hazard and precautionary statements of the meta SPC

Hazard statements

Causes severe skin burns and eye damage.  
May be corrosive to metals.  
Harmful to aquatic life with long lasting effects.

Precautionary statements

If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Store locked up.  
Keep only in original container.  
Wash hands thoroughly after handling.  
Wear protective gloves.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
Immediately call a POISON CENTER.  
IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if  
Avoid release to the environment.  
Dispose of contents to local regulations.

## 4. Authorised use(s) of the meta SPC

### 4.1 Use description

Use 1 - Surface disinfectant for toilet bowls in private and domestic situations

Product type

PT02 - Disinfectants and algaecides not intended for direct application to humans or



<b>Where relevant, an exact</b>	Used as surface disinfectant for toilet bowls
<b>Target organism(s) (including</b>	Bacteria-Bacteria- Fungi-Fungi- Yeasts-Yeasts- Viruses-Viruses- Bacterial spores-Bacterial spores-
<b>Field(s) of use</b>	Indoor  Toilet bowl disinfectant cleaner
<b>Application method(s)</b>	Pouring - Product to be applied by the user by directing the nozzle under the rim of the toilet bowl. Instructions are provided to the user to apply enough product to cover the toilet bowl
<b>Application rate(s) and</b>	~80 mL as per label instructions - 0 - Not restricted. As required
<b>Category(ies) of users</b>	Trained professional  Professional  General public (non-professional)
<b>Pack sizes and packaging</b>	Bottle, Plastic: HDPE , 500 mL Bottle, Plastic: HDPE , 680 mL Bottle, Plastic: HDPE , 750 mL Bottle, Plastic: HDPE , 1000 mL Bottle, Plastic: HDPE , 900 mL  Opaque high density polyethylene (HDPE) bottle. The plug of packaging should <u>only</u> be in accordance with the technical drawing defined in PAR.

#### 4.1.1 Use-specific instructions for use

We recommend you wear gloves while you disinfect and clean your toilet.

1. Lift up the toilet seat and carefully direct the nozzle under the toilet rim.
2. Squeeze and apply slowly all around the inside of the bowl, allowing enough liquid to cover the bowl completely.
3. For [optimum] cleaning results leave for [1/5/10/30] minutes, flush and brush
4. To disinfect, leave for 60 minutes, flush and brush.

#### 4.1.2 Use-specific risk mitigation measures

The plug of packaging should only be in accordance with the technical drawing defined in PAR

#### 4.1.3 Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

##### **HUMAN HEALTH**

Severe skin burns or eye damage. Chemical burns must be treated promptly by a physician.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.  
Call a Poison Center or doctor if adverse health effects persist or are severe.

**IF ON SKIN (or hair):** Take off immediately all contaminated clothing. Rinse skin with water.  
Call a Poison Center or doctor if adverse health effects persist or are severe.  
Wash contaminated clothing before reuse.

**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

**IF SWALLOWED:** Rinse mouth. Do not induce vomiting  
Immediately call a POISON Center or doctor

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

**Recommends to users** - Wash hands and exposed skin before meals and after use.

##### **ENVIRONMENTAL PART**

Harmful to aquatic life with long lasting effects

Avoid release to the environment.

Dispose of contents/container in accordance with local/regional regulations.

##### **Spill control:**

Small spills: Dilute with water and mop up, or absorb with inert material. Any contaminated materials must be disposed of as

#### 4.1.4 Where specific to the use, the instructions for safe disposal of the product and its packaging

##### **Product:**

Methods of disposal: Any contaminated materials must be disposed of as hazardous waste. This material and its container must be disposed of in a safe way. Disposal of this product should at all times comply with the waste disposal legislation and any regional local authority requirements.

European waste catalogue (EWC) Waste code 20 01 29\*: detergents containing dangerous substances

##### **Packaging:**

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Disposal of this packaging should at all times comply with the waste disposal legislation and any regional local authority requirements.

#### 4.1.5 Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.

Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright.

Do not store in unlabelled containers.

The shelf life of the product is 24 months.

## 5. General directions for use of the meta SPC

### 5.1. Instructions for use

We recommend you wear gloves while you disinfect and clean your toilet.

1. Lift up the toilet seat and carefully direct the nozzle under the toilet rim.
2. Squeeze and apply slowly all around the inside of the bowl, allowing enough liquid to cover the bowl completely.
3. For [optimum] cleaning results leave for [1/5/10/30] minutes, flush and brush
4. To disinfect, leave for 60 minutes, flush and brush.

### 5.2. Risk mitigation measures

The plug of packaging should only be in accordance with the technical drawing defined in PAR

Do not use with any bleaches or other cleaning products.

### 5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

#### HUMAN HEALTH

Severe skin burns or eye damage. Chemical burns must be treated promptly by a physician.

**IF INHALED:** Remove victim to fresh air and keep comfortable for breathing.  
Call a Poison Center or doctor if adverse health effects persist or are severe.

**IF ON SKIN (or hair):** Remove immediately all contaminated clothing. Rinse skin with water.  
Call a Poison Center or doctor if adverse health effects persist or are severe.  
Wash contaminated clothing before reuse.

**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

**IF SWALLOWED:** Rinse mouth. Do not induce vomiting  
Immediately call a POISON Center or doctor

Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

**Recommendations to users** - Wash hands and exposed skin before meals and after use.

#### ENVIRONMENTAL PART

Harmful to aquatic life with long lasting effects

Avoid release to the environment.

Dispose of contents/containers in accordance with local/regional regulations.

#### Spill control:

Small spills: Dilute with water and mop up, or absorb with inert material. Any contaminated materials must be disposed of as

### 5.4. Instructions for safe disposal of the product and its packaging

#### Product:

Methods of disposal: Any contaminated materials must be disposed of as hazardous waste. This material and its container must be disposed of in a safe way. Disposal of this product should at all times comply with the waste disposal legislation and any regional local authority requirements.

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. This material and its container must be disposed of in a safe way. Disposal of this packaging should at all times comply with the waste disposal legislation and any regional local authority requirements.  
European waste catalogue (EWC) Waste code 15 01 10\*: packaging containing residues of or contaminated by dangerous

## 5.5. Conditions of storage and shelf-life of the product under normal conditions of storage

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink.  
Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright.  
Do not store in unlabelled containers.

## 6. Other information

1. All products within this family have the same base product formulation, the only differences being variations in fragrance, dyes and surfactant composition. A detailed breakdown of the formulae may be found in the IUCLID dossier for this Family.

2. All products in the family have the same product classification (see below), target organisms, packaging types, use instructions, target areas and dosage.

3. The Precautionary statements are given below. Please note that there are additional recommendations included in the language as required by the RMS:

P101 If medical advice is needed, have product container or label at hand (for non-professional users)

P102 Keep out of reach of children (for non-professional users)

P103 Read label before use.(for non-professional users)

P405+ P234 Store locked up. Keep only in original container.

P264 Wash hands thoroughly after handling

P280 Wear protective gloves. (for professional users only)

P301 + P330+ P331+P310 IF SWALLOWED: Rinse mouth. Do not induce vomiting. Immediately call a POISON Center or doctor.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305 + P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional regulations.

4. In the time of agreement of SPC for national authorization it was considered that the products contain substances of concern in relation to environment/ecotoxicological endpoints. After evaluation of submitted changes it is confirmed that the products contain the substances of concern - Bis (2-hydroxyethyl) tallow alkylamine and Tallow trimethylammonium chloride and reclassification is not appropriate.

5. Explanation which describes the trade names and formulations for both the minor and administrative changes in Latvian market.

## 7. Third information level: individual products in the meta SPC

### 7.1 Trade name(s), authorisation number and specific composition of each individual product

**Trade name(s)**

Harpic Power Plus Original Delisted

**Authorisation number**

LV-0005101-0001 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.425
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.485

**Trade name(s)**

Harpic Power Plus Citrus Force Delisted

**Authorisation number**

LV-0005101-0002 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.425
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.485

**Trade name(s)**

Harpic Power Plus Spring Power Delisted

**Authorisation number**

LV-0005101-0003 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.425
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.485

**Trade name(s)**

Harpic Power Plus Marine Force Delisted

**Authorisation number**

LV-0005101-0004 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.425

Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	61791-44-4	263-177-5	1.485
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**Trade name(s)**

Harpic Power Plus Hygiene Delisted

**Authorisation number**

LV-0005101-0005 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.425
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.485

**Trade name(s)**

Cillit Bang Original / Harpic Power Plus Original

**Authorisation number**

LV-0005101-0006 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9

Tallow trimethylammonium	Quaternary ammonium compounds,	8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives	61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Citrus Force / Harpic Power Plus Citrus Force

**Authorisation number**

LV-0005101-0007 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Spring Power / Harpic Power Plus Spring Power

**Authorisation number**

LV-0005101-0008 1-1

(R4BP 3 asset reference number - National Authorisation)



Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Marine Force / Harpic Power Plus Marine Force

**Authorisation number**

LV-0005101-0009 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Hygiene / Harpic Power Plus Hygiene

**Authorisation number**

LV-0005101-0010 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.385
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.346

**Trade name(s)**

Cillit Bang Spring Power / Harpic Power Plus Spring Power

**Authorisation number**

LV-0005101-0011 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Citrus Force / Harpic Power Plus Citrus Force

**Authorisation number**

LV-0005101-0012 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Marine Force / Harpic Power Plus Marine Force

**Authorisation number**

LV-0005101-0013 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Original / Harpic Power Plus Original

**Authorisation number**

LV-0005101-0014 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Cillit Bang Hygiene / Harpic Power Plus Hygiene

**Authorisation number**

LV-0005101-0015 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.385
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.346

**Trade name(s)**

Harpic PlatinumPro-Shield Original

**Authorisation number**

LV-0005101-0016 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Harpic Platinum Pro-Shield Marine

**Authorisation number**

LV-0005101-0017 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Harpic Platinum Pro-Shield Lavender

**Authorisation number**

LV-0005101-0018 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208

**Trade name(s)**

Harpic Platinum Pro-Shield Fresh

**Authorisation number**

LV-0005101-0019 1-1

(R4BP 3 asset reference number - National Authorisation)

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Hydrochloric acid	Hydrochloric acid	Active Substance		231-595-7	9
Tallow trimethylammonium	Quaternary ammonium compounds,		8030-78-2	232-447-4	0.345
Bis (2-hydroxyethyl) tallow alkylamine	Ethanol, 2,2'-iminobis-, N-tallow alkyl derivatives		61791-44-4	263-177-5	1.208