



## SAFETY DATA SHEET

### Astonish Bathroom Cleaner

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

##### 1.1. Product identifier

<b>Product name</b>	Astonish Bathroom Cleaner
<b>Product number</b>	971601
<b>Internal identification</b>	9716F4V3

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

<b>Identified uses</b>	Cleaning hard surfaces in bathrooms. For non-porous hard surfaces.
<b>Uses advised against</b>	Do not use on acid sensitive surfaces such as marble, limestone or travertine. Do not use on cracked or damaged enamel. Do not mix with Chlorine bleach. Do not let product dry on surface.

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

<b>Supplier</b>	The London Oil Refining Company Ltd Astonish House Unit 1 Premier Point Staithgate Lane Bradford, BD6 1DW, UK Tel: +44 1274 767440 (8am-4pm Mon-Fri) <a href="http://www.astonishcleaners.co.uk">www.astonishcleaners.co.uk</a>
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Astonish Cleaners Europe Ltd  
38 Main Street  
Swords  
Co. Dublin  
Republic of Ireland  
K67E0A2  
Tel: +353 768 885288 (8am-4pm Mon-Fri)  
[www.astonishcleaners.eu](http://www.astonishcleaners.eu)

<b>Contact person</b>	<a href="mailto:info@astonish.co.uk">info@astonish.co.uk</a> <a href="mailto:info@astonishcleaners.eu">info@astonishcleaners.eu</a>
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<b>Manufacturer</b>	As supplier.
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##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	UK - Emergency Telephone: +44 (0) 1274 767440 (8am-4pm Mon-Fri). Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7 days a week); Website <a href="http://111.nhs.uk">111.nhs.uk</a> or a doctor.  ROI - Emergency Telephone: +353 768 885288 (8am-4pm Mon-Fri) Poisons Information Centre of Ireland (ROI): + 353 (1) 809 2166 (8am-10pm 7 days a week)
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#### SECTION 2: Hazards identification

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

## Astonish Bathroom Cleaner

### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Eye Irrit. 2 - H319
<b>Environmental hazards</b>	Not Classified

### 2.2. Label elements

#### Hazard pictograms



<b>Signal word</b>	Warning
<b>Hazard statements</b>	EUH208 Contains Chloromethylisothiazolinone & Methylisothiazolinone. May produce an allergic reaction. H319 Causes serious eye irritation.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P264 Wash hands thoroughly after handling. P280 Wear protective gloves and eye protection. 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. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.
<b>Additional Labelling</b>	None
<b>Detergent labelling</b>	< 5% non-ionic surfactants, < 5% perfumes, Contains Chloromethylisothiazolinone & Methylisothiazolinone

### 2.3. Other hazards

None

### **SECTION 3: Composition/information on ingredients**

#### **3.2. Mixtures**

<b>Citric Acid Monohydrate</b>		<b>1-5%</b>
CAS number: 5949-29-1	EC number: 201-069-1	REACH registration number: 01-2119457026-42-XXXX
<b>Classification</b> Eye Irrit. 2 - H319		
<b>Undecanol, branched and linear, ethoxylated (&gt;5-15 EO)</b>		<b>1-5%</b>
CAS number: 68439-46-3		
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318		

## Astonish Bathroom Cleaner

<b>Ethanol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319		
<b>Sodium Hydroxide</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314		
<b>methanol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		
<b>Glycerol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 56-81-5	EC number: 200-289-5	
<b>Classification</b> Not Classified		
<b>2,2'-iminodiethanol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 111-42-2	EC number: 203-868-0	REACH registration number: 01-2119488930-28-XXXX
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373 Aquatic Chronic 3 - H412		

## Astonish Bathroom Cleaner

<b>Chloromethylisothiazolinone &amp; Methyllisothiazolinone</b>			<b>&lt;1%</b>
CAS number: 55965-84-9	EC number: 611-341-5	REACH registration number: 01-2120764691-48-XXXX	
M factor (Acute) = 100	M factor (Chronic) = 100		
<b>Classification</b>			
Acute Tox. 3 - H301			
Acute Tox. 2 - H310			
Acute Tox. 2 - H330			
Skin Corr. 1B - H314			
Skin Sens. 1A - H317			
Aquatic Acute 1 - H400			
Aquatic Chronic 1 - H410			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.
<b>Ingestion</b>	Drink water. If symptoms persist seek medical advice.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

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

<b>Inhalation</b>	Possible mild irritation of breathing passage and possible mouth irritation.
<b>Ingestion</b>	Possible mild stomach upset and mild soreness of mouth.
<b>Skin contact</b>	May cause skin irritation.
<b>Eye contact</b>	Causes eye irritation.

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

<b>Notes for the doctor</b>	No data available
<b>Specific treatments</b>	No data available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use extinguisher suitable to cause of fire.

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

**Specific hazards** Product does not support combustion, minimal fire hazard. Minimal quantities of oxides of carbon may be produced.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Use protection suitable to cause of fire.

## Astonish Bathroom Cleaner

### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes.

#### 6.2. Environmental precautions

**Environmental precautions** Product is intended to be rinsed away to sewer after use. For bigger spillages non-household spillages prevent entry into sewer or drains.

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

**Methods for cleaning up** Absorb household spillages with e.g kitchen roll and dispose of in bin. Wipe affected area clean with a damp cloth.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Use as instructed on label. Avoid breathing spray. Point spray away from face. Avoid contact with eyes. Do not mix with chlorine bleach containing products. May release dangerous gas (chlorine).

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

**Storage precautions** Store in ambient conditions. Keep out of the reach of children.

#### 7.3. Specific end use(s)

**Specific end use(s)** Cleaning hard surfaces in the bathroom. Observe precautions in section 7.1.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **Ethanol**

Short-term exposure limit (15-minute): ELV (IE) 1000 ppm

##### **Sodium Hydroxide**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

##### **methanol**

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ELV (IE) 200 ppm 260 mg/m<sup>3</sup>

##### **Glycerol**

Long-term exposure limit (8-hour TWA): WEL 10 mg/m<sup>3</sup> mist

##### **2,2'-iminodiethanol**

Long-term exposure limit (8-hour TWA): WEL 13 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

#### Citric Acid Monohydrate (CAS: 5949-29-1)

## Astonish Bathroom Cleaner

<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.44 mg/l</li> <li>- Sediment (Freshwater); 3.46 mg/kg</li> <li>- Sediment (Marinewater); 34.6 mg/kg</li> <li>- marine water; 0.044 mg/l</li> <li>- STP; &gt;1000 mg/l</li> <li>- Soil; 33.1 mg/kg</li> </ul>
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### Ethanol (CAS: 64-17-5)

<b>DNEL</b>	<ul style="list-style-type: none"> <li>Workers - Dermal; Long term : 343 mg/kg</li> <li>Workers - Inhalation; : 950 mg/m<sup>3</sup></li> <li>Consumer - Inhalation; local effects: 950 mg/m<sup>3</sup></li> <li>Consumer - Dermal; Long term : 206 mg/kg</li> <li>Consumer - Inhalation; : 114 mg/m<sup>3</sup></li> <li>Consumer - Oral; Long term : 87 mg/kg</li> </ul>
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<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.96 mg/l</li> <li>- marine water; 0.79 mg/l</li> <li>- Sediment (Freshwater); 3.6 mg/kg</li> <li>- Soil; 0.63 mg/kg</li> </ul>
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### methanol (CAS: 67-56-1)

<b>DNEL</b>	<ul style="list-style-type: none"> <li>Workers - Dermal; Short term systemic effects: 40 mg/kg</li> <li>Workers - Inhalation; Short term systemic effects: 260 mg/m<sup>3</sup></li> <li>Workers - Inhalation; Short term local effects: 260 mg/m<sup>3</sup></li> <li>Workers - Dermal; Long term systemic effects: 40 mg/kg</li> <li>Workers - Inhalation; Long term systemic effects: 260 mg/m<sup>3</sup></li> <li>Workers - Inhalation; Long term local effects: 260 mg/m<sup>3</sup></li> <li>Consumer - Dermal; Short term systemic effects: 8 mg/kg</li> <li>Consumer - Inhalation; Short term systemic effects: 50 mg/m<sup>3</sup></li> <li>Consumer - Oral; Short term systemic effects: 8 mg/kg</li> <li>Consumer - Inhalation; Long term local effects: 50 mg/m<sup>3</sup></li> <li>Consumer - Oral; Long term systemic effects: 8 mg/kg</li> <li>Consumer - Inhalation; Long term systemic effects: 50 mg/m<sup>3</sup></li> <li>Consumer - Dermal; Long term systemic effects: 8 mg/kg</li> <li>Consumer - Inhalation; Short term local effects: 50 mg/m<sup>3</sup></li> </ul>
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<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 154 mg/l</li> <li>- marine water; 15.4 mg/l</li> <li>- Sediment; 570.4 mg/kg</li> <li>- Soil; 23.5 mg/kg</li> <li>- STP; 100 mg/l</li> <li>- Intermittent release; 1540 mg/l</li> </ul>
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## 8.2. Exposure controls

<b>Eye/face protection</b>	Wear eye protection. Avoid contact with face.
<b>Hand protection</b>	For prolonged contact or sensitive skin wear rubber gloves.
<b>Environmental exposure controls</b>	This product does not pose a hazard in normal use when following the usage instructions.

## **SECTION 9: Physical and chemical properties**

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

<b>Appearance</b>	Clear Blue liquid
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## Astonish Bathroom Cleaner

<b>Colour</b>	Blue.
<b>Odour</b>	Fresh/Herbal
<b>Odour threshold</b>	Not known.
<b>pH</b>	pH (concentrated solution): 2.5 - 4.5
<b>Melting point</b>	Not known.
<b>Initial boiling point and range</b>	Not measured (>100°C)
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not known.
<b>Evaporation factor</b>	Not known.
<b>Flammability (solid, gas)</b>	Does not ignite.
<b>Upper/lower flammability or explosive limits</b>	Does not ignite.
<b>Other flammability</b>	Not relevant.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	> 1 (Air=1)
<b>Relative density</b>	0.997 - 1.011 @ 20°C
<b>Bulk density</b>	Not applicable.
<b>Solubility(ies)</b>	Soluble in water
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not known.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	None
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not applicable.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Will react with chlorine bleach to produce chlorine gas

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal conditions.

### 10.4. Conditions to avoid

## Astonish Bathroom Cleaner

**Conditions to avoid**                      None known.

### 10.5. Incompatible materials

**Materials to avoid**                      Do not mix with Chlorine Bleach

### 10.6. Hazardous decomposition products

**Hazardous decomposition products**      Carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects**                      This mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

#### Acute toxicity - oral

**ATE oral (mg/kg)**                      31,111.11

#### Toxicological information on ingredients.

#### Citric Acid Monohydrate

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)**      5,400.0

**Species**                                      Rat

**ATE oral (mg/kg)**                      5,400.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)**      2,000.0

**Species**                                      Rabbit

#### Chloromethylisothiazolinone & Methylisothiazolinone

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)**      4,467.0

**Species**                                      Rat

**ATE oral (mg/kg)**                      100.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)**      5,000.0

**Species**                                      Rat

**ATE dermal (mg/kg)**                      50.0

##### Acute toxicity - inhalation

**ATE inhalation (dusts/mists mg/l)**      0.05

## SECTION 12: Ecological information



## Astonish Bathroom Cleaner

### 12.1. Toxicity

**Toxicity** The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

#### Ecological information on ingredients.

##### Citric Acid Monohydrate

###### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 48 hours: 440 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 24 hours: 1535 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	NOEC, 8 days: 425 mg/l, Algae

##### Undecanol, branched and linear, ethoxylated (>5-15 EO)

###### Acute aquatic toxicity

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: >1 - 10 mg/l, Cyprinus carpio (Common carp)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: >1 - 10 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: >1 - 10 mg/l, Desmodemus subspicatus

##### Chloromethylisothiazolinone & Methylisothiazolinone

###### Acute aquatic toxicity

<b>LE(C)<sub>50</sub></b>	0.001 < L(E)C <sub>50</sub> ≤ 0.01
<b>M factor (Acute)</b>	100
<b>Acute toxicity - fish</b>	EC <sub>50</sub> , 96 hours: 0.22 mg/l, Oncorhynchus mykiss (Rainbow trout)
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 0.1 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	EC <sub>50</sub> , 72 hours: 0.048 mg/l, Pseudokirchneriella subcapitata
<b>Acute toxicity - microorganisms</b>	EC <sub>20</sub> , 3 hours: 0.97 mg/l, Activated sludge

###### Chronic aquatic toxicity

<b>M factor (Chronic)</b>	100
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### 12.2. Persistence and degradability

**Persistence and degradability** Does not contain any components considered to be persistent. Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC. Alcohols branched/linear, ethoxylated - Readily biodegradable; >70%; 28d; aerobic; OECD Test Guideline 301A.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is not expected.

**Partition coefficient** Not known.

### 12.4. Mobility in soil

## Astonish Bathroom Cleaner

**Mobility** The components of the mixture are readily absorbed into soil and are mobile in water environment.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

**Other adverse effects** Not known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

## SECTION 14: Transport information

**General** Not regulated.

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not regulated.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## SECTION 15: Regulatory information

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

**National regulations** For Great Britain after the end of the transitional period, the EU Detergents Regulation - has been amended by the Detergents EU Exit Statutory Instruments (SIs), that is:

the Detergents (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/672)  
the Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/671)  
the Detergents (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1617)

## Astonish Bathroom Cleaner

### EU legislation

This safety data sheet is compliant with EC Regulation 1907/2006 (REACH) as adapted by 453/2010, Directive 67/548/EEC and EC Regulation 1272/2008 (CLP).  
Dangerous Preparations Directive 1999/45/EC.  
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.  
CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
GHS: Globally Harmonized System.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
NOEC: No Observed Effect Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
vPvB: Very Persistent and Very Bioaccumulative.

### General information

Note: The hazard statements below are explanations of phrases used in the SDS as abbreviations and DO NOT apply to the product. The statements applicable to the product are those identified in Section 2 only.  
Any animal testing information or data listed in this safety data sheet is historic published data within the public domain. There is a requirement to declare this information if it is known and this does not impact our cruelty free status. The London Oil Refining Company Ltd does not commission animal testing.

### Revision comments

Updated Regulatory Information In Section 15

### Issued by

The London Oil Refining Company Ltd

### Revision date

21/09/2021

### Revision

4.3

### Supersedes date

24/03/2021

### SDS number

4957

## Astonish Bathroom Cleaner

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H290 May be corrosive to metals.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H310 Fatal in contact with skin.  
H311 Toxic 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.  
H331 Toxic if inhaled.  
H370 Causes damage to organs .  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
EUH208 Contains Chloromethylisothiazolinone & Methylisothiazolinone. May produce an allergic reaction.