



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

**10H Kettle & Washroom Descaler**

Revision: 1  
Revision date: 30/06/2020

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

|  |  |
|--|--|
| <b>1.1 Product identifier</b>  |  |
| <b>Product name</b>  | 10H Kettle & Washroom Descaler   |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> |  |
| <b>Product Use</b>   | [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC35] Washing and cleaning products (including solvent based products);  |
| <b>1.3 Details of the supplier of the safety data sheet</b>                              |  |
| <b>Company Address</b>   | Ionic Products Ltd<br>Blaris Industrial Estate, Altona Road, Lisburn, Co Antrim<br>BT27 5QB<br>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>   |
| <b>1.4 Emergency telephone number</b>  |  |
| <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.<br>Ireland: National Poisons Centre, Beaumont Hospital, Dublin 9<br>Tel: 01 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)<br>Tel: 01 809 2566 (health care professionals) |

**SECTION 2: Hazards identification**

|   |  |
|---|--|
| <b>2.1 Classification of the substance or mixture</b> |  |
| <b>2.1.2 Classification - EC 1272/2008</b>            | Skin Irrit. 2: H315; Eye Irrit. 2: H319;   |
| <b>2.2 Label elements</b>                             |  |
| <b>Hazard pictograms</b>                              |  |
| <b>Signal Word</b>                                    | Warning  |
| <b>Hazard Statement</b>                               | Skin Irrit. 2: H315 - Causes skin irritation.  |
| <b>Precautionary Statement: Prevention</b>            | 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/ .<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P337+P313 - If eye irritation persists: Get medical advice/attention. |

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

| <b>3.2 Mixtures</b>  |              |           |           |                           |             |                      |
|----------------------|--------------|-----------|-----------|---------------------------|-------------|----------------------|
| <b>EC 1272/2008</b>  |              |           |           |                           |             |                      |
| Chemical name        | Index No.    | CAS No.   | EC No.    | REACH registration Number | Conc (%w/w) | Classification       |
| Orthophosphoric acid | 015-011-00-6 | 7664-38-2 | 231-633-2 | 01-2119485924-00          | 10-20%      | Skin Corr. 1B: H314; |

**SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

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

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

|              |   |
|--------------|---|
| Inhalation   | May cause irritation to respiratory system. |
| Eye contact  | Irritating to eyes                          |
| Skin contact | Irritating to skin.                         |
| Ingestion    | 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

|  |   |
|--|---|
|  | Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. |
|--|---|

#### 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

#### 8.1 Control parameters

##### 8.1.1 Exposure Limit Values - UK

|                      |  |
|----------------------|--|
| Orthophosphoric acid | WEL 8-hr limit mg/m <sup>3</sup> : 1<br>WEL 15 min limit mg/m <sup>3</sup> : 2 |
|----------------------|--|

##### 8.1.1 Occupational Exposure Limits Values (OELVs) - Ireland

|                      |  |                     |
|----------------------|--|---------------------|
| Orthophosphoric acid | Occupational Exposure Limit Value (8-hour reference period)    | 1 mg/m <sup>3</sup> |
|                      | Occupational Exposure Limit Value (15-minute reference period) | 2 mg/m <sup>3</sup> |

DNEL: Derived no-effect level.



### Exposure Pattern - Workers

|                      |  |                        |
|----------------------|--|------------------------|
| Orthophosphoric acid | Long-term - inhalation - Local effects | 2.92 mg/m <sup>3</sup> |
|----------------------|--|------------------------|

### Exposure Pattern - General population

|                      |  |                        |
|----------------------|--|------------------------|
| Orthophosphoric acid | Long-term - inhalation - Local effects | 0.73 mg/m <sup>3</sup> |
|----------------------|--|------------------------|

### 8.2 Exposure controls

|   |  |
|---|--|
| <b>8.2.1 Appropriate engineering controls</b><br><b>8.2.2 Individual protection measures</b><br><b>Eye / face protection</b><br><b>Skin protection - Hand protection</b><br><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)  |
|   | Chemical resistant gloves (PVC). (EN 374)  |
| Respiratory protection  | 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>                    | Yellow                    |
| <b>Odour</b>                     | Characteristic            |
| <b>pH</b>                        | <3.0                      |
| <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> | 1.1 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: Alkalis. |
|--|------------------------------|

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

|                                  |                                   |
|----------------------------------|-----------------------------------|
| <b>Skin corrosion/irritation</b> | Irritating to eyes and skin.      |
| <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>Orthophosphoric acid</b> | Inhalation Rat LC50/15min: NDA | Dermal Rat LD50: NDA        |
|                             | Oral Rat LD50: NDA             | Oral Mouse LD50: NDA        |
|                             | Dermal Rabbit LD50: NDA        | Dermal Guinea Pig LD50: NDA |

### SECTION 12: Ecological information

#### 12.1 Toxicity

|                             |                       |
|-----------------------------|-----------------------|
| <b>Orthophosphoric acid</b> | Algae EC50/72h: NDA   |
|                             | Guppy LC50/96h: NDA   |
|                             | Daphnia LC50/48h: 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.<br>Empty containers can be cleaned with water. |
|--|--|

#### Further information

|  |                                     |
|--|-------------------------------------|
|  | European Waste Catalogue: 20 01 29. |
|--|-------------------------------------|

### SECTION 14: Transport information

#### 14.1 UN number

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

#### 14.2 UN proper shipping name

|  |  |
|--|--|
|  | The product is not classified as dangerous for carriage. |
|--|--|

#### 14.3 Transport hazard class(es)

|                        |  |
|------------------------|--|
| <b>ADR/RID</b>         | The product is not classified as dangerous for carriage. |
| <b>Subsidiary risk</b> | -  |
| <b>IMDG</b>            | The product is not classified as dangerous for carriage. |
| <b>Subsidiary risk</b> | -  |
| <b>IATA</b>            | The product is not classified as dangerous for carriage. |
| <b>Subsidiary risk</b> | -  |

#### 14.4 Packing group

|                      |  |
|----------------------|--|
| <b>Packing group</b> | The product is not classified as dangerous for carriage. |
|----------------------|--|

#### 14.5 Environmental hazards

|                              |    |
|------------------------------|----|
| <b>Environmental hazards</b> | No |
| <b>Marine pollutant</b>      | No |

#### ADR/RID

|                        |   |
|------------------------|---|
| <b>Hazard ID</b>       | - |
| <b>Tunnel Category</b> | - |

#### IMDG

|                 |   |
|-----------------|---|
| <b>EmS Code</b> | - |
|-----------------|---|

#### IATA

|                                    |   |
|------------------------------------|---|
| <b>Packing Instruction (Cargo)</b> | - |
| <b>Maximum quantity</b>            | - |
| <b>Packing Instruction</b>         | - |

|                                 |   |
|---------------------------------|---|
| (Passenger)<br>Maximum quantity | - |
|---------------------------------|---|

**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<br/>Phosphonates 0% - &lt; 5%</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>                               | <p>This document differs from the previous version in the following areas:.</p> <p>Changes to sections 1, 3, 8, 9, 11, 12, 15</p> <p>LC: Lethal concentration.<br/>LD: Lethal dose.<br/>NDA - No data available.<br/>NOAEC: No observed adverse effect concentration.<br/>NOAEL: No observed adverse effect level.<br/>NOEC: No observed effect concentration.<br/>NOEL: No observed effect level.<br/>PBT: Persistent, bioaccumulative and toxic.<br/>SVHC. Substance of very high concern.<br/>vPvB. Very persistent and very bioaccumulative.<br/>*R01 - Polymer REACH number not available.</p> |
| <b>Acronyms</b>                               |   |
| <b>Text of Hazard Statements in Section 3</b> |   |
|   | <p>Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.<br/>Skin Irrit. 2: H315 - Causes skin irritation.<br/>Eye Irrit. 2: H319 - Causes serious eye irritation.</p>   |

**Further information**

|  |  |
|--|--|
|  | <p>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.</p> <p>Internal ref: F000065</p> |
|--|--|