



## SAFETY DATA SHEET

### Knaus Washing Machine Descaler

#### 1. Identification

##### Product identifier

**Product name** Knaus Washing Machine Descaler  
**Product number** 01040/02  
**Container size** 300mL

##### Recommended use of the chemical and restrictions on use

**Application** Cleaning agent.  
**Uses advised against** Not to be used in any other way than instructed on product packaging.

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

**Supplier** Challs International Ltd  
UK ADDRESS:  
Unit 46 Lady Lane Industrial Estate  
Hadleigh  
Suffolk  
IP7 6BQ  
Contact Number: +44 1473 828700  
Contact Email: sales@challs.com

EU ADDRESS:  
1 Drummartin Road  
Dundrum  
Dublin 14  
D14 C3YO  
Contact Number: +353 12960842  
Contact Email: sales@challs.com

**Manufacturer** Primo Manufacturing Ltd  
Hadleigh  
Suffolk  
IP7 6BQ  
+44 01473 820999  
sales@primo.mfg.co.uk

##### Emergency telephone number

**National emergency telephone number** (01) 809 2166 - Poisons Information Centre of Ireland  
Office Hours: Daily 8am-10pm  
030 - 192 40 - Giftnotruf der Charité Universitätsmedizin Berlin  
13 1126 (24 hours) Australian National Poisons Centre

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified

## Knaus Washing Machine Descaler

**Health hazards** Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Skin Sens. 1 - H317

**Environmental hazards** Not Classified

### Label elements

#### Hazard symbols



**Signal word** Warning

**Hazard statements** H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

**Precautionary statements** P261 Avoid breathing vapor/ spray.  
P264 Wash contaminated skin thoroughly after handling.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face 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.  
P321 Specific treatment (see medical advice on this label).  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P501 Dispose of contents/ container in accordance with national regulations.

**Contains** A mixture of: tetrasodium phosphonoethane-1,2-dicarboxylate and hexasodium phosphonobutane-1,2,3,4-tetracarboxylate

### Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

### 3. Composition/information on ingredients

#### Mixtures

<b>sulphamidic acid</b> CAS number: 5329-14-6	<b>10-30%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2A - H319 Aquatic Chronic 3 - H412	
<b>Citric Acid Monohydrate</b> CAS number: 5949-29-1	<b>5-10%</b>
<b>Classification</b> Eye Irrit. 2A - H319	

## Knaus Washing Machine Descaler

A mixture of: tetrasodium phosphonoethane-1,2-dicarboxylate and hexasodium phosphonobutane-1,2,3,4-tetracarboxylate

<1%

CAS number: 143239-08-1

### Classification

Skin Sens. 1 - H317

Aquatic Chronic 2 - H411

The full text for all hazard statements is displayed in Section 16.

## 4. First-aid measures

### Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination. Keep affected person warm and at rest. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
<b>Skin Contact</b>	Remove affected person from source of contamination. Take off immediately all contaminated clothing and wash it before reuse. Wash skin thoroughly with soap and water. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Get medical attention immediately.
<b>Eye contact</b>	Remove affected person from source of contamination. Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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### Indication of immediate medical attention and special treatment needed

<b>Specific treatments</b>	Treat symptomatically.
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## 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	None known.
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### Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	For personal protection, see Section 8.
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### Environmental precautions

## Knaus Washing Machine Descaler

**Environmental precautions** The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms. Avoid discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### Methods and material for containment and cleaning up

**Methods for cleaning up** Do not touch or walk into spilled material. Stop leak if safe to do so. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. When handling waste, the safety precautions applying to handling of the product should be considered. Containers with collected spillage must be properly labeled with correct contents and hazard symbol. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

## 7. Handling and storage

### Precautions for safe handling

**Usage precautions** Read label before use. Good personal hygiene procedures should be implemented. Handle all packages and containers carefully to minimize spills. Avoid contact with skin, eyes and clothing. Avoid inhalation of vapors.

### Conditions for safe storage, including any incompatibilities

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Corrosive storage.

### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.

## 8. Exposure controls/Personal protection

### Exposure controls

#### Protective equipment



**Appropriate engineering controls** Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapors.

**Eye/face protection** Wear eye protection.

**Hand protection** Wear protective gloves.

**Other skin and body protection** Provide eyewash station and safety shower. Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures** Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse.

**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn. Respirator selection must be based on exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Knaus Washing Machine Descaler

**Environmental exposure controls** Keep container tightly sealed when not in use.

### 9. Physical and chemical properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Color</b>	Amber.
<b>Odor</b>	Acidic.
<b>pH</b>	pH (concentrated solution): 0.5 - 2.0
<b>Relative density</b>	1.12 - 1.14 @ 20°C
<b>Solubility(ies)</b>	Soluble in water.

### 10. Stability and reactivity

<b>Reactivity</b>	Alkalis. Strong oxidizing agents.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
<b>Possibility of hazardous reactions</b>	Alkalis. Oxidizing agents. In contact with some metals can generate hydrogen gas, which can form explosive mixtures with air.
<b>Conditions to avoid</b>	Avoid exposure to high temperatures or direct sunlight.
<b>Materials to avoid</b>	Alkalis. Strong oxidizing agents.
<b>Hazardous decomposition products</b>	None known.

### 11. Toxicological information

#### Information on toxicological effects

<b>Inhalation</b>	This product is corrosive. Prolonged inhalation of high concentrations may damage respiratory system.
<b>Ingestion</b>	This product is corrosive. May cause chemical burns in mouth, esophagus and stomach.
<b>Skin Contact</b>	This product is corrosive. May cause serious chemical burns to the skin.
<b>Eye contact</b>	This product is strongly corrosive to the eyes. May cause serious eye damage.

### 12. Ecological information

<b>Ecotoxicity</b>	The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.
<b>Toxicity</b>	The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.
<b><u>Persistence and degradability</u></b>	
<b>Biodegradation</b>	Expected to be readily biodegradable.
<b><u>Bioaccumulative potential</u></b>	
<b>Bio-Accumulative Potential</b>	The product does not contain any substances expected to be bioaccumulating.

## Knaus Washing Machine Descaler

### Mobility in soil

**Mobility** The product is soluble in water.

### Other adverse effects

**Other adverse effects** None known.

## 13. Disposal considerations

### Waste treatment methods

**General information** Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Do not puncture or incinerate, even when empty. Waste should be treated as controlled waste.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## 14. Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, DOT).

### UN Number

**UN No. (International)** Not applicable.

### UN proper shipping name

**Proper shipping name (International)** Not applicable.

### Transport hazard class(es)

**Transport Labels (International)** No transport warning sign required.

### Packing group

**Packing group (International)** Not applicable.

### Environmental hazards

**Environmentally Hazardous Substance**  
No.

### Special precautions for user

Not applicable.

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

## 15. Regulatory information

**National regulations** Control of Substances Hazardous to Health Regulations 2002 (as amended).  
Dangerous Substances and Explosive Atmospheres Regulations 2002.  
EH40/2005 Workplace exposure limits.  
Health and Safety at Work etc. Act 1974 (as amended).  
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

## Knaus Washing Machine Descaler

**Guidance** Workplace Exposure Limits EH40.

### 16. Other information

**Revision date** 2/5/2021

**Revision** 5.0

**Supersedes date** 14/04/2020

**SDS No.** 5019

**Hazard statements in full** H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.