



## SAFETY DATA SHEET

### Knaus Washing Machine & Dishwasher Cleaner

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

##### 1.1. Product identifier

**Product name** Knaus Washing Machine & Dishwasher Cleaner  
**Product number** 01010/01  
**Container size** 300g

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

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

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

**Supplier** Challs International Ltd.  
 Unit 46  
 Lady Lane Industrial Estate  
 Hadleigh  
 Suffolk  
 IP7 6BQ  
 +44 01473 828700  
 +44 01473 828701  
 sales@challs.com

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

##### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

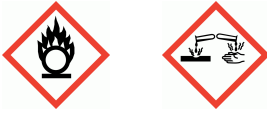
**Physical hazards** Ox. Sol. 2 - H272  
**Health hazards** Acute Tox. 4 - H302 Eye Dam. 1 - H318  
**Environmental hazards** Not Classified

**Classification (67/548/EEC or 1999/45/EC)** Xn; R22. Xi; R41

##### 2.2. Label elements

## Knaus Washing Machine & Dishwasher Cleaner

### Pictogram



### Signal word

Danger

### Hazard statements

H272 May intensify fire; oxidiser.  
 H302 Harmful if swallowed.  
 H318 Causes serious eye damage.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P220 Keep away from combustible materials.  
 P264 Wash contaminated skin thoroughly after handling.  
 P270 Do not eat, drink or smoke when using this product.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.  
 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.  
 P330 Rinse mouth.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Contains

Sodium Percarbonate, C12-C15 ALCOHOL ETHOXYLATE WITH 7MEO

### Detergent labelling

≥ 30% oxygen-based bleaching agents, 5 - < 15% phosphates, < 5% non-ionic surfactants, < 5% perfumes

### 2.3. Other hazards

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

#### 3.2. Mixtures

<b>Sodium Percarbonate</b>		<b>60-100%</b>
CAS number: 15630-89-4	EC number: 239-707-6	
<b>Classification</b>		
Ox. Sol. 3 - H272		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		
<b>Trisodium Phosphate</b>		<b>1-5%</b>
CAS number: 10101-89-0	EC number: 231-509-8	REACH registration number: 01-2119489800-32-XXXX
<b>Classification</b>		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
STOT SE 3 - H335		

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<b>C12-C15 ALCOHOL ETHOXYLATE WITH 7MEO</b> <span style="float: right;"><b>1-5%</b></span> CAS number: 68131-39-5
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318
<b>bronopol (INN)</b> <span style="float: right;"><b>&lt;1%</b></span> CAS number: 52-51-7 <span style="margin-left: 100px;">EC number: 200-143-0</span> M factor (Acute) = 10
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H312 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400

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>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.
<b>Ingestion</b>	Remove person to fresh air and keep comfortable for breathing. Rinse mouth thoroughly with water. Do not induce vomiting. 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. Get medical attention if symptoms are severe or persist after washing.
<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.

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

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

**Specific treatments**                      Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media**    Use fire-extinguishing media suitable for the surrounding fire.

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

**Specific hazards**                      May intensify fire; oxidiser.

#### 5.3. Advice for firefighters

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**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

#### 6.2. Environmental precautions

**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Collect and place in suitable waste disposal containers and seal securely. 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.

#### 6.4. Reference to other sections

**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.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Read label before use. Use only in well-ventilated areas. Wear protective clothing, gloves, eye and face protection.

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

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

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

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls** Provide adequate general and local exhaust ventilation.

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

**Hand protection** Wear protective gloves.

**Other skin and body protection** Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures** Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Wash skin thoroughly after handling.

**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn.

## Knaus Washing Machine & Dishwasher Cleaner

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Granules.
<b>Colour</b>	White/off-white. & Yellow.
<b>Odour</b>	Eucalyptus
<b>pH</b>	pH (diluted solution): 9.0-11.0 @ 10%
<b>Bulk density</b>	0.9-1.2 kg/m <sup>3</sup>
<b>Solubility(ies)</b>	Soluble in water.

#### 9.2. Other information

<b>Other information</b>	None.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Reacts with: Acids.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	The following materials may react with the product: Acids.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Acids.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Heating may generate the following products: Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	564.74
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<b>Inhalation</b>	Harmful by inhalation. May cause respiratory system irritation.
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<b>Ingestion</b>	Harmful if swallowed.
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<b>Skin contact</b>	Prolonged or repeated exposure may cause severe irritation.
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<b>Eye contact</b>	Causes serious eye damage.
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### SECTION 12: Ecological Information

<b>Ecotoxicity</b>	No negative effects on the aquatic environment are known.
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#### 12.1. Toxicity

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**Toxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

### 12.2. Persistence and degradability

**Biodegradation** Expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

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

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

**Disposal methods** Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 1479

**UN No. (IMDG)** 1479

**UN No. (ICAO)** 1479

**UN No. (ADN)** 1479

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** OXIDIZING SOLID, N.O.S. (CONTAINS Sodium Percarbonate)

**Proper shipping name (IMDG)** OXIDIZING SOLID, N.O.S. (CONTAINS Sodium Percarbonate)

**Proper shipping name (ICAO)** OXIDIZING SOLID, N.O.S. (CONTAINS Sodium Percarbonate)

**Proper shipping name (ADN)** OXIDIZING SOLID, N.O.S. (CONTAINS Sodium Percarbonate)

### 14.3. Transport hazard class(es)

**ADR/RID class** 5.1

**ADR/RID classification code** O2

**ADR/RID label** 5.1

**IMDG class** 5.1

**ICAO class/division** 5.1

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ADN class 5.1

### Transport labels



### 14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ADN packing group II

ICAO packing group II

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

### 14.6. Special precautions for user

EmS F-A, S-Q

ADR transport category 2

Emergency Action Code 1Y

Hazard Identification Number 50  
(ADR/RID)

Tunnel restriction code (E)

### 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.

Not applicable.

## SECTION 15: Regulatory information

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

#### 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).

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### EU legislation

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

Commission Regulation (EU) No 453/2010 of 20 May 2010.

Dangerous Preparations Directive 1999/45/EC.

Dangerous Substances Directive 67/548/EEC.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Commission Regulation (EU) No 2015/830 of 28 May 2015.

### Guidance

Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Revision date</b>	10/10/2018
<b>Revision</b>	6
<b>Supersedes date</b>	13/02/2018
<b>SDS number</b>	5018
<b>Hazard statements in full</b>	H272 May intensify fire; oxidiser. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H400 Very toxic to aquatic life.