



SAFETY DATA SHEET

Knaus Washing Machine Cleaner

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

1.1. Product identifier

Product name Knaus Washing Machine Cleaner

Product number FRM/01012/01

Container size 300mL

UFI UFI: R3A3-R0NS-4003-UJTK

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
 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 Challs International Group Ltd
 Unit 46 Lady Lane Industrial Estate
 Hadleigh
 Suffolk
 IP7 6BQ
 01473 820999
 sales@challs.com

1.4. 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

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Knaus Washing Machine Cleaner

Classification (SI 2019 No. 720)

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

2.2. Label elements

Hazard pictograms



Signal word Danger

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

Precautionary statements
 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.
 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. Always store upright in a cool, dry, well-ventilated place.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains Sodium Percarbonate

Detergent labelling ≥ 30% oxygen-based bleaching agents, < 5% anionic surfactants, < 5% perfumes, < 5% zeolites

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Sodium Percarbonate	60-100%
CAS number: 15630-89-4	EC number: 239-707-6
Classification Ox. Sol. 2 - H272 Acute Tox. 4 - H302 Eye Dam. 1 - H318	

Knaus Washing Machine Cleaner

Citric Acid Anhydrous	10-30%
CAS number: 77-92-9	
Classification	
Eye Irrit. 2 - H319	

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

Inhalation	Remove person to fresh air and keep comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.
Ingestion	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin contact	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 or use an approved skin cleanser. Get medical attention immediately.
Eye contact	Remove affected person from source of contamination. Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
----------------------------	---

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. Water spray, foam, dry powder or carbon dioxide.
-------------------------------------	--

5.2. Special hazards arising from the substance or mixture

Specific hazards	May intensify fire; oxidiser. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.
-------------------------	--

5.3. Advice for firefighters

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	For personal protection, see Section 8.
-----------------------------	---

6.2. Environmental precautions

Knaus Washing Machine Cleaner

Environmental precautions The product is not expected to be hazardous to the environment. 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.

6.3. 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. Avoid generation and spreading of dust. Collect spillage with a shovel and broom, or similar and reuse, if possible. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. When handling waste, the safety precautions applying to handling of the product should be considered. 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.

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. Good personal hygiene procedures should be implemented. Handle all packages and containers carefully to minimise spills. Avoid generation and spreading of dust. Avoid inhalation of dust. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas.

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 ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear eye protection. Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated.

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 contaminated clothing and wash it before reuse.

Knaus Washing Machine Cleaner

Respiratory protection Wear a suitable dust mask. 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.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Granules.
Colour	White/off-white. Green.
Odour	Fresh. Eucalyptus.
pH	Aqueous solutions are basic.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Relative density	No information available.
Solubility(ies)	Aqueous solutions are basic.
Viscosity	Technically not feasible.
Oxidising properties	Ox. Sol. 2 (mean burning rate \geq that of a 1:1 mixture, by mass of calcium peroxide and cellulose).

9.2. Other information

Particle size No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity May intensify fire; oxidiser. May react with the following materials: Acids.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable when stored in a dry place.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Acids.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Heating may generate the following products: Carbon monoxide (CO). Carbon dioxide (CO₂). Oxygen.

Knaus Washing Machine Cleaner

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 687.76

Inhalation Dust may irritate the respiratory system. Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion This product is corrosive. May cause chemical burns in mouth, oesophagus and stomach.

Skin contact This product is corrosive. May cause serious chemical burns to the skin.

Eye contact This product is strongly corrosive to the eyes. May cause serious eye damage.

SECTION 12: Ecological information

Ecotoxicity The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1. Toxicity

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 contains substances which are water-soluble and may spread in water systems.

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

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1479

UN No. (IMDG) 1479

UN No. (ICAO) 1479

Knaus Washing Machine Cleaner

UN No. (ADN) 1479

14.2. UN proper shipping name

Proper shipping name (ADR/RID) OXIDIZING SOLID, N.O.S. (User to define)

Proper shipping name (IMDG) OXIDIZING SOLID, N.O.S. (User to define)

Proper shipping name (ICAO) OXIDIZING SOLID, N.O.S. (User to define)

Proper shipping name (ADN) OXIDIZING SOLID, N.O.S. (User to define)

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

ADN class 5.1

Transport labels



14.4. Packing group

ADR/RID packing group II

IMDG packing group II

ICAO packing group II

ADN 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 (ADR/RID) 50

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.

and the IBC Code

SECTION 15: Regulatory information

Knaus Washing Machine Cleaner

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).

Guidance Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	This is the first issue.
Revision date	24/03/2022
Revision	1.0
SDS number	5462
Hazard statements in full	H272 May intensify fire; oxidiser. H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation.