



SAFETY DATA SHEET

Knaus Dishwasher Cleaner

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

1.1. Product identifier

Product name	Knaus Dishwasher Cleaner
Product number	FRM/01052/01
Container size	300mL
UFI	UFI: VHDF-90JP-800N-T2QN

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

Identified uses	Cleaning agent.
Uses advised against	Use only for intended applications.

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 Dishwasher Cleaner

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

2.2. Label elements

Hazard statements	EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
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. Always store upright in a cool, dry, well-ventilated place. P501 Dispose of contents/ container in accordance with national regulations.
Detergent labelling	5 - < 15% non-ionic surfactants, < 5% anionic surfactants, < 5% perfumes, Contains citronellol, 1,2-benzisothiazol-3(2H)-one (=Benzisothiazolinone), N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine (=Laurylamine Dipropylenediamine), Pyridine-2-thiol 1-oxide, sodium salt (=Sodium Pyrithione)

2.3. Other hazards

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

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Citric Acid Monohydrate	1-5%
CAS number: 5949-29-1	EC number: 201-069-1
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	Due to the physical nature of this product, exposure by this route is unlikely. Remove person to fresh air and keep comfortable for breathing. Get medical attention if symptoms are severe or persist.
Ingestion	Do not induce vomiting. Give plenty of water to drink. Get medical attention if symptoms are severe or persist.
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention if symptoms are severe or persist.
Eye contact	Rinse immediately with plenty of water. 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. The product contains a sensitising substance.
Inhalation	The product is not believed to present a hazard due to its physical nature. The product is considered to be a low hazard under normal conditions of use.
Ingestion	May cause irritation. Gastrointestinal symptoms, including upset stomach.
Skin contact	May cause skin irritation. May cause skin disorders if contact is repeated or prolonged.

Knaus Dishwasher Cleaner

Eye contact Causes eye irritation. May cause chemical eye burns.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide (CO₂). Foam. Powder. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards None known.

5.3. Advice for firefighters

Special protective equipment for firefighters Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes and clothing. Wash thoroughly after dealing with a spillage. For personal protection, see Section 8.

6.2. Environmental precautions

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.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage to prevent material damage. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Reference to other sections See Section 1 for emergency contact information. 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 Avoid contact with skin, eyes and clothing. Do not mix with other chemicals

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

Ingredient comments No exposure limits known for ingredient(s).

8.2. Exposure controls

Other skin and body protection No specific requirements are anticipated under normal conditions of use.

SECTION 9: Physical and chemical properties

Knaus Dishwasher Cleaner

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Colour	Clear.
Odour	Fruity.
pH	pH (concentrated solution): 2 - 3
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	~ 1.02 @ 20°C
Solubility(ies)	Soluble in water. Alcohols.
Viscosity	<200 cP @ 20°C
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Particle size	Not applicable.
----------------------	-----------------

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Alkalis.
-------------------	----------

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
------------------	---------------------------------------------------------------------

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
-------------------------------------------	-------------------------------------------

10.4. Conditions to avoid

Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
----------------------------	---------------------------------------------------------

10.5. Incompatible materials

Materials to avoid	Alkalis. Avoid contact with strong oxidising agents.
---------------------------	------------------------------------------------------

10.6. Hazardous decomposition products

Hazardous decomposition products	None known.
-----------------------------------------	-------------

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects	Information given is based on data of the components and of similar products.
------------------------------	-------------------------------------------------------------------------------

General information

Only large quantities are likely to have adverse effects on human health. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

Knaus Dishwasher Cleaner

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The product components are not classified as environmentally hazardous.

12.2. Persistence and degradability

Persistence and degradability Expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential No information available.

12.4. Mobility in soil

Mobility No data available.

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

Disposal methods Dispose of contents/container in accordance with local regulations.

SECTION 14: Transport information

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

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

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.

Knaus Dishwasher Cleaner

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). 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).
-----------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments	This is the first issue.
Revision date	24/03/2022
Revision	1.0
SDS number	5442
Hazard statements in full	H319 Causes serious eye irritation. EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.