



## SAFETY DATA SHEET

### Knaus Coffee Machine Descaler & Cleaner

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

##### 1.1. Product identifier

<b>Product name</b>	Knaus Coffee Machine Descaler & Cleaner
<b>Product number</b>	FRM/01062/01
<b>Container size</b>	300mL
<b>UFI</b>	UFI: 9D5J-E0SN-J00H-9FF5

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

<b>Identified uses</b>	Descaler. Detergent.
<b>Uses advised against</b>	Not to be used in any other way than instructed on product packaging.

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

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

<b>Manufacturer</b>	Challs International Group Ltd Unit 46 Lady Lane Industrial Estate Hadleigh Suffolk IP7 6BQ 01473 820999 sales@challs.com
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##### 1.4. Emergency telephone number

<b>National emergency telephone number</b>	(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
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#### SECTION 2: Hazards identification

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

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### Classification (SI 2019 No. 720)

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
<b>Environmental hazards</b>	Not Classified

### 2.2. Label elements

#### Hazard pictograms



<b>Signal word</b>	Warning
<b>Hazard statements</b>	EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. H315 Causes skin irritation. H319 Causes serious eye irritation.
<b>Precautionary statements</b>	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. P264 Wash contaminated skin thoroughly after handling. 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. P337+P313 If eye irritation persists: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. Always store upright in a cool, dry, well-ventilated place. P501 Dispose of contents/ container in accordance with national regulations.
<b>Detergent labelling</b>	< 5% anionic surfactants, < 5% non-ionic surfactants, Contains 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

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

#### **3.2. Mixtures**

<b>sulphamidic acid</b>	<b>10-30%</b>
CAS number: 5329-14-6	EC number: 226-218-8
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Aquatic Chronic 3 - H412	

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<b>C12-C15 ALCOHOL ETHOXYLATE WITH 7MEO</b>	<b>1-5%</b>
CAS number: 68131-39-5	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
<b>1,2-benzisothiazol-3(2H)-one</b>	<b>&lt;1%</b>
CAS number: 2634-33-5                      EC number: 220-120-9	
M factor (Acute) = 10	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
Aquatic Acute 1 - H400	
<b>Pyridine-2-thiol 1-oxide, sodium salt</b>	<b>&lt;1%</b>
CAS number: 3811-73-2                      EC number: 223-296-5	
M factor (Acute) = 100                      M factor (Chronic) = 10	
<b>Classification</b>	
Acute Tox. 4 - H302	
Acute Tox. 3 - H311	
Acute Tox. 4 - H332	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Aquatic Acute 1 - H400	
Aquatic Chronic 1 - H410	

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>	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.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if symptoms are severe or persist.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention promptly if symptoms occur after washing.

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

**General information**                      See Section 11 for additional information on health hazards.

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### 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      Foam, carbon dioxide or dry powder.

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

Specific hazards                          None known.

#### 5.3. Advice for firefighters

Protective actions during  
firefighting                              No specific requirements are anticipated under normal conditions of use.

### SECTION 6: Accidental release measures

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

Personal precautions                  Avoid contact with skin, eyes and clothing.

#### 6.2. Environmental precautions

Environmental precautions          Not regarded as dangerous for the environment.

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

Methods for cleaning up                Absorb spillage with non-combustible, absorbent material. Dispose of contents/container in accordance with local regulations.

#### 6.4. Reference to other sections

Reference to other sections          See Section 1 for emergency contact information. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. 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. Avoid breathing vapour/spray.

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

Storage precautions                    Keep only in the original container in a cool, 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

##### Protective equipment



Eye/face protection

Wear eye protection.

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<b>Hand protection</b>	Wear protective gloves.
<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear, yellowish liquid.
<b>Colour</b>	Yellowish.
<b>Odour</b>	No characteristic odour.
<b>pH</b>	pH (concentrated solution): <2.00
<b>Melting point</b>	No information available.
<b>Initial boiling point and range</b>	No information available.
<b>Flash point</b>	No information available.
<b>Evaporation rate</b>	No information available.
<b>Relative density</b>	~ 1.05g/ml
<b>Solubility(ies)</b>	Aqueous solutions are acidic. Alcohols.
<b>Viscosity</b>	<200 cP @ 20°C
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Particle size</b>	Not applicable.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Alkalis.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable under the prescribed storage conditions.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Alkalis.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	No specific requirements are anticipated under normal conditions of use.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Alkalis. Sodium Hypochlorite (Chlorine)
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	None known.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

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### Acute toxicity - oral

ATE oral (mg/kg) 27,777.78

<b>General information</b>	This product has low toxicity.
<b>Inhalation</b>	Coughing, chest tightness, feeling of chest pressure. Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause irritation. May cause nausea, headache, dizziness and intoxication.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye irritation.

### SECTION 12: Ecological information

#### 12.1. Toxicity

#### 12.2. Persistence and degradability

#### 12.3. Bioaccumulative potential

#### 12.4. Mobility in soil

#### 12.5. Results of PBT and vPvB assessment

#### 12.6. Other adverse effects

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

### 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** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

### SECTION 15: Regulatory information

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

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### 15.2. Chemical safety assessment

#### SECTION 16: Other information

<b>Revision date</b>	24/03/2022
<b>Revision</b>	1.0
<b>SDS number</b>	5461
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H311 Toxic in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.