

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name **H7 KLEENOFF KETTLE & SHOWER DESCALER**  
 Product No. **575571**

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

Identified uses **Acidic descaling agent**

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

Selden Research Limited	t : 01298 26226
Staden Lane	
Ashbourne Road	f : 01298 26540
Buxton	
Derbyshire	e : safety@selden.co.uk
SK17 9RZ	
United Kingdom	

### 1.4. Emergency telephone number

01298 26226

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification (67/548/EEC) **Xi;R36/38.**

### 2.2. Label elements

Detergent Labelling: Contains **1,2-BENZISOTHIAZOL-3(2H)-ONE**

Labelling



Irritant (Xi)

Risk Phrases **R36/38 Irritating to eyes and skin.**  
 Safety Phrases **S24/25 Avoid contact with skin and eyes.  
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S37 Wear suitable gloves.  
 S2 Keep out of the reach of children.  
 S28 After contact with skin, wash immediately with plenty of water.  
 S46 If swallowed  
 Seek medical advice immediately and show this container or label.**

### 2.3. Other hazards

No other hazards known., This product does not contain any PBT or vPvB substances.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not Applicable

### 3.2. Mixtures

Citric Acid	10-30%
CAS-No.: 77-92-9	EEC (EINECS) No.
Classification (EC 1272/2008)	Classification (67/548/EEC)
Eye irritation, category 2 - H319	Xi;R36/38

Skin irritation, category 2 - H315

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

#### General information

Inhalation	General first aid, rest, warmth and fresh air.
Ingestion	Remove victim immediately from source of exposure., Rinse mouth thoroughly., Drink plenty of water., Get medical attention.
Skin contact	Remove affected person from source of contamination., Remove contaminated clothing., Wash the skin immediately with soap and water., Get medical attention if irritation persists after washing.
Eye contact	Make sure to remove any contact lenses from the eyes before rinsing., Promptly wash eyes with plenty of water while lifting the eye lids., Continue to rinse for at least 15 minutes., Get medical attention if any discomfort continues.

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

Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach., May cause stomach pain or vomiting.
Skin contact	Irritating to skin., Prolonged or repeated exposure may cause severe irritation.
Eye contact	May cause severe irritation to eyes.

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

Treat Symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Extinguishing media	This product is not flammable., Extinguish with foam, carbon dioxide, dry powder or water fog., Use fire-extinguishing media appropriate for surrounding materials.
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### 5.2. Special hazards arising from the substance or mixture

Unsuitable extinguishing media

### 5.3. Advice for firefighters

Special Fire Fighting Procedures	Self contained breathing apparatus and full protective clothing must be worn in case of fire.
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

For personal protection, see section 8.

### 6.2. Environmental precautions

Any spillage needs to be contained and not allowed to enter water courses, Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

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

Wear necessary protective equipment., Absorb in vermiculite, dry sand or earth and place into containers., Do not contaminate water sources or sewer., Flush with plenty of water to clean spillage area.

### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

See product label for detailed usage and instructions.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

8.1. Control parameters

Not applicable

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate general and local exhaust ventilation.

Hand protection

Use protective gloves., Rubber gloves are recommended.

Eye protection

Wear approved, tight fitting safety glasses where splashing is probable.

Other Protection

General workwear only

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Yellow.
Odour	Odourless.
Relative density	1.115 - 1.125 @ 20 °C
pH-Value, Conc. Solution	< 2.0
Flash point (°C)	N/A

**SECTION 10: STABILITY AND REACTIVITY**

10.1. Reactivity

Stable under normal temperature conditions.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

None known

10.4. Conditions to avoid

Avoid contact with other chemicals., Reacts with bleach/sodium hypochlorite solutions producing toxic chlorine gas.

10.5. Incompatible materials

Sodium hypochlorite solutions (Bleach)

10.6. Hazardous decomposition products

Fire or high temperatures create:., Toxic gases/vapours/fumes of:., Carbon dioxide (CO2)., Carbon monoxide (CO).

**SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects

Toxicological information	No toxicological data is available for this mixture, however data can be provided for specific raw materials upon request.
Ingestion	May cause burns in mucous membranes, throat, oesophagus and stomach., May cause stomach pain or vomiting.
Skin contact	Irritating to skin., Prolonged or repeated exposure may cause severe irritation.
Eye contact	May cause severe irritation to eyes.

**SECTION 12: ECOLOGICAL INFORMATION**12.1. Toxicity

Not regarded as dangerous for the environment.

12.2. Persistence and degradability

Degradability	The surfactants contained within the product comply with the biodegradability criteria as laid down in Regulation (EC) No 648/2004.
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12.3. Bioaccumulative potential

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
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12.4. Mobility in soil

Mobility:	The product contains substances, which are water soluble and may spread in water systems.
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12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or PvB substances

12.6. Other adverse effects

None known

**SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements.

**SECTION 14: TRANSPORT INFORMATION**

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
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14.1. UN number14.2. UN proper shipping name

Proper Shipping Name:	Not applicable
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14.3. Transport hazard class(es)

Transport Labels	Not Applicable
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14.4. Packing group14.5. Environmental hazards

Environmentally Hazardous substance/Marine Pollutant	No
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14.6. Special precautions for user

Tunnel Restriction Code n/a

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not relevant

**SECTION 15: REGULATORY INFORMATION**

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

UK Regulatory References	The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments.
Environmental Listing	Rivers (Prevention of Pollution) Act 1961., Control of Pollution (Special Waste Regulations) Act 1980.
Statutory Instruments	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716)., Control of Substances Hazardous to Health.
Approved Code Of Practice	Classification and Labelling of Substances and Preparations Dangerous for Supply.
Guidance Notes	Workplace Exposure Limits EH40., Introduction to Local Exhaust Ventilation HS(G)37.
EU Legislation	System of specific information relating to Dangerous Preparations. 2001/58/EC., Dangerous Preparations Directive 1999/45/EC., 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments., 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.
National Regulations	The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2007 (CDG 2007).

15.2. Chemical Safety Assessment

No chemical assessment has been carried out as this Safety Data Sheet is for a mixture

**SECTION 16: OTHER INFORMATION**

General information

The following risk phrases relate to the raw materials in the product and not the product itself:-

Revision Comments

Safety Data Sheet revised to be in accordance with EU Regulation No 453/2010 - REACH Regulations.

Revision Date 18/02/2013

Revision 2

Risk Phrases In Full R36/38 Irritating to eyes and skin.]

Hazard Statements In Full H315 Causes skin irritation.  
H319 Causes serious eye irritation.