



SAFETY DATA SHEET

Kleen Off Kettle & Shower Head Descaler

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

1.1. Product identifier

Product name Kleen Off Kettle & Shower Head Descaler
Product No. 575571
Internal Id 00010376 (7 - 30/09/2014)
Container size 500 ml

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

Identified uses Descaler
Uses advised against Avoid contact with: Alkalis.

1.3. Details of the supplier of the safety data sheet

Supplier Jeyes Ltd
 Brunel Way
 Thetford
 Norfolk
 IP24 1HF
 UK
 +44 1842 757575
 Contact: Rowland Furse / Simon Burt
 Email: contact@jeyes.com

1.4. Emergency telephone number

+44 1842 757575

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Corr. 1A - H314
Environment	Not classified.

Classification (1999/45/EEC)

Xi;R36.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Human health

Causes severe skin burns and eye damage.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word

Danger

Hazard Statements

H314

Causes severe skin burns and eye damage.

Precautionary Statements

P101

If medical advice is needed, have product container or label at hand.

P102

Keep out of reach of children.

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P280
P302+352

Wear protective gloves, eye and face protection.
IF ON SKIN: Wash with plenty of soap and water.

Supplementary Precautionary Statements

P301+330+331
P305+351+338

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
Store locked up.

P310
P405

2.3. Other hazards

Not applicable.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Citric Acid Anhydrous		10-30%
CAS-No.: 77-92-9	EC No.: 201-069-1	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36.	

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

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Immediately rinse mouth and provide fresh air. Do not induce vomiting. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Consult a physician for specific advice.

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.

Eye contact

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Corrosive

Skin contact

This chemical may cause skin/eye irritation and burns (corrosive).

Eye contact

This chemical may cause skin/eye irritation and burns (corrosive).

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

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Unusual Fire & Explosion Hazards

None known.

Specific hazards

The product is non-combustible. If heated, toxic vapours may be formed.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Use protective equipment appropriate for surrounding materials.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. For personal protection, see section 8.

6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Small Spillages: Flush away spillage with plenty of water. Large Spillages: Absorb with sand or other inert absorbent. Transfer to a container for disposal. For waste disposal, see section 13.

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

Read label before use.

7.2. Conditions for safe storage, including any incompatibilities

Unsuitable containers: metals. Keep away from food, drink and animal feeding stuffs. Store in closed original container at temperatures between 5°C and 25°C.

Storage Class

Lagerklasse 12

7.3. 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 noted for ingredient(s).

8.2. Exposure controls

Protective equipment



Hand protection

For prolonged or repeated skin contact use suitable protective gloves. Rubber gloves are recommended.

Eye protection

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

Hygiene measures

Wash hands after handling.

Skin protection

Wear suitable protective clothing as protection against splashing or contamination.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Colourless.
Odour	Odourless.
Solubility	Soluble in water.
Initial boiling point and boiling range (°C)	ca. 100°C 760 mm Hg
Melting point (°C)	ca. 0°C
Relative density	ca. 1.122 @ 20°C
Vapour density (air=1)	
Not applicable.	
Vapour pressure	
Not applicable.	
Evaporation rate	
Not applicable.	
pH-Value, Conc. Solution	ca. 2.0
Viscosity	
Not determined.	
Decomposition temperature (°C)	
Not applicable.	
Odour Threshold, Lower	
Not applicable.	
Odour Threshold, Upper	
Not applicable.	
Flash point (°C)	> 61°C CC (Closed cup).
Auto Ignition Temperature (°C)	
Not applicable.	
Flammability Limit - Lower(%)	
Not applicable.	
Flammability Limit - Upper(%)	
Not applicable.	
Partition Coefficient (N-Octanol/Water)	
Not applicable.	
Explosive properties	
Not applicable.	
Oxidising properties	
Not applicable.	

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reacts with alkalis and generates heat.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Reacts with alkalis and generates heat.

10.4. Conditions to avoid

Reacts with alkalis and generates heat. Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials**Materials To Avoid**

Alkalis.

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10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Unlikely route of exposure as the product does not contain volatile substances.

Ingestion

Corrosive. Even small amounts may cause serious damage.

Skin contact

Corrosive. Prolonged contact causes serious tissue damage.

Eye contact

Corrosive. Prolonged contact causes serious eye and tissue damage.

Route of entry

Ingestion. Skin and/or eye contact.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not expected to be toxic to aquatic organisms.

12.1. Toxicity

Acute Fish Toxicity

Not considered toxic to fish.

12.2. Persistence and degradability

Degradability

There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

Not applicable.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

When handling waste, consideration should be made to the safety precautions applying to handling of the product.

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 number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

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 MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Legislation**

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.

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**Revision Comments**

Change to CLP classification

Issued By

Rowland Furse / Simon Burt

Revision Date

12/06/2015

Revision

8

Risk Phrases In Full

R36 Irritating to eyes.

Hazard Statements In Full

H314 Causes severe skin burns and eye damage. , H319 Causes serious eye irritation.