

our safety data sheet for...



Limescale Remover

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1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Product Name: Limescale Remover
Product Code: DES007RET / DES003RET / LIM020RET / DES020RET

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

Use of the Substance/Mixture: PC35: Washing and cleaning products (including solvent based products).

1.3 Details of the supplier of the safety data sheet

Company: Delphis Eco Ltd, The Leather Market, Lefone House unit 202, 11-13 Weston Street, London SE1 3ER

1.4 Emergency telephone number

Emergency phone number: t. 0203 397 0096 (office hours only) e: sales@delphiseco.com

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification under CLP: Eye Irrit. 2: H319; Skin Irrit. 2: H315
Most important adverse effects: Causes skin irritation. Causes serious eye irritation.

2.2 Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.
H319: Causes serious eye irritation.
GHS07: Exclamation mark

Hazard pictograms:



Signal words:

Precautionary statements:

Warning

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P264: Wash skin thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313: If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

3. Composition/Information on Ingredients

3.2 Mixtures

Hazardous ingredients:

Ingredient Name	EINECS	CAS	CLP Classification	Percent
CITRIC ACID	201-069-1	5949-29-1	Eye Irrit. 2: H319	1-5%
FORMIC ACID	200-579-1	64-18-6	Skin Corr. 1A: H314	1-5%
(REACH registered number(s): 01-2119491174-37)				
ALKYL POLY GLYCOSIDE C8-C10	500-220-1	68515-73-1	Eye Dam. 1: H318	1-5%
(REACH registered number(s): 01-2119488530-36)				

Contains: Labelling in accordance with the Detergents Directive (EC) No. 648/2004. Less than 5% non-ionic surfactants

4. First Aid Measures

4.1 Description of first aid measures

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.
Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so.

4.2 Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.
Eye contact: There may be irritation and redness. The eyes may water profusely.
Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Delayed effects: Immediate effects can be expected after short-term exposure..



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4.3 Indication of immediate medical attention and special treatment needed

Immediate / special treatment: Eye bathing equipment should be available on the premises.

5. Fire Fighting Measures

5.1 Extinguishing Media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3 Advice for fire fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2 Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and materials for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

7. Handling and Storage

7.1 Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3 Specific end uses

Specific end use(s): No data available.

8. Exposure Controls/Personal Protection

8.1 Control parameters

Hazardous ingredients:

FORMIC ACID..100%

Workplace exposure limits:

State 8 hour TWA 15 min. STEL

UK 9.6 mg/m³ -

Respirable dust

8 hour TWA

-

15 min. STEL

-

DNEL / PNEC Values: No data available.

8.2 Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Wear protective gloves.

Eye protection: Wear safety glasses. Ensure eye bath is to hand.

Skin protection: Wear protective clothing.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Barely perceptible odour

Evaporation rate: Slow

Solubility in water: Highly soluble

Viscosity: Non-viscous

Boiling point/range°C: 100

Relative density: 1.030 typical

pH: 2.05



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9.2 Other Information

Other information: No data available.

10. Stability and Reactivity

10.1 Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2 Chemical Stability

Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to Avoid

Conditions to avoid: Heat. Hot surfaces.

10.5 Incompatible materials

Materials to avoid: Strong oxidising agents. Strong bases.

10.6 Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

11. Toxicological Information

11.1 Information on toxicological effects

Hazardous ingredients:

CITRIC ACID			
DERMAL	RAT	LD50	>2000 mg/kg
ORAL	RAT	LD50	11700 mg/kg

FORMIC ACID...100%			
IVN	MUS	LD50	145 mg/kg
ORL	MUS	LD50	700 mg/kg
ORL	RAT	LD50	1100 mg/kg

ALKYL POLY GLYCOSIDE C8-C10			
DERMAL	RAT	LD50	>2000 mg/kg
ORAL	RAT	LD50	>2000 mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Skin contact:	There may be irritation and redness at the site of contact.
Eye contact:	There may be irritation and redness. The eyes may water profusely.
Ingestion:	There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Inhalation:	There may be irritation of the throat with a feeling of tightness in the chest.
Delayed effects:	Immediate effects can be expected after short-term exposure.

12. Ecological Information

12.1 Toxicity

Hazardous ingredients:

CITRIC ACID		
FISH	96H LC50	440-706 mg/l
FORMIC ACID...100%		
Daphnia magna	48H EC50	365 mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	130 mg/l
ALKYL POLY GLYCOSIDE C8-C10		
DAPHNIA	48H EC50	>100 mg/l

12.2 Persistence and Degradability

Persistence and degradability: Biodegradable. The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.



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12.3 Bio-accumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4 Mobility in soil

Mobility: Readily absorbed into soil.

12.5 Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6 Other adverse effects

Other adverse effects: Negligible ecotoxicity.

13. Disposal Recommendations

13.1 Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. Transport Information

Transport class: This product does not require a classification for transport.

15. Regulatory Information

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

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

16. Other Information

This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010. * indicates text in the SDS which has changed since the last revision. Phrases used in s.2 and s.3:

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

Training Advice: Normal use of this product shall imply use in accordance with the instructions on the packaging. Users should be trained in good industrial hygiene practise. This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH). Do not mix with other chemicals.

Date: 03.07.23

Legal Disclaimer: The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.

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