

SAFETY DATA SHEET LD RESTORATION CLEANER

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Compilation date: 07/11/2013

Revision No: 1

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

1.1. Product identifier

Product name: LD RESTORATION CLEANER

Product code: 63

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

Use of substance / mixture: PC35: Washing and cleaning products (including solvent based products).

1.3. Details of the supplier of the safety data sheet

Company name: Tensid UK Ltd
Unit 1 Carven Court
Canada Road
Byfleet
Surrey
KT14 7JI
United Kingdom

Tel: +44 (0)1932 564 133

Fax: +44 (0)1932 562 046

Email: info@tensid.com

1.4. Emergency telephone number

Emergency tel: +44 (0)1932 564 133

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Corr. 1A: H314; Acute Tox. 3: H311; Acute Tox. 4: H302+332

Most important adverse effects: Harmful if swallowed or if inhaled. Toxic in contact with skin. Causes severe skin burns and eye damage.

2.2. Label elements

Label elements:

Hazard statements: H302+332: Harmful if swallowed or if inhaled.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.

Signal words: Danger

Hazard pictograms: GHS05: Corrosion
GHS06: Skull and crossbones



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Precautionary statements: P260: Do not breathe fumes.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P310: Immediately call a POISON CENTER/doctor/.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

GLYCOLLIC ACID 100% - REACH registered number(s): 01-2119485579-17

EINECS	CAS	PBT / WEL	CLP Classification	Percent
201-180-5	79-14-1	-	Skin Corr. 1B: H314; Acute Tox. 4: H332	10-30%

SULPHAMIC ACID - REACH registered number(s): 01-2119488633-28

226-218-8	5329-14-6	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Aquatic Chronic 3: H412	10-30%
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DECAN-1-OL, ETHOXYLATED - REACH registered number(s): NOT RELEVANT (POLYMER)

500-046-6	26183-52-8	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%
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HYDROFLUORIC ACID

231-634-8	7664-39-3	-	Acute Tox. 2: H330; Acute Tox. 1: H310; Acute Tox. 2: H300; Skin Corr. 1A: H314	<1%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove contaminated clothing. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Apply calcium gluconate gel. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 - 20 minutes while holding the eyelid(s) open. If contact lens is present, DO NOT delay irritation or attempt to remove the lens. Immediately obtain medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If swallowed seek medical attention immediately and show this container or label.

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Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor. NOTE! Effects may be delayed. Keep affected person under observation.

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

Skin contact: There may be redness or whiteness of the skin in the area of exposure. Severe burns may occur.

Eye contact: There may be irritation and pain. The vision may become blurred. Corneal burns may occur.

Ingestion: There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. 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. There may be congestion of the lungs causing severe shortness of breath.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Not applicable.

Section 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.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Avoid skin and eye contact. Ventilate well, avoid breathing vapours. Wear suitable protective equipment. If outside do not approach from downwind. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Prevent discharge of larger quantity to drain. Packaging should be recycled after residual emptying; minor product residues may be rinsed out.

6.3. Methods and material for containment and cleaning up

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

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disposal by an appropriate method. In case of spills, beware of slippery floors and surfaces. Clean spillage area thoroughly with plenty of water

6.4. Reference to other sections

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

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid skin and eye contact. Wear suitable protective equipment. Ensure there is sufficient ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

HYDROFLUORIC ACID...100%

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1.5 mg/m ³	2.5 mg/m ³	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Provide eye wash station.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Gloves (acid resistant).

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Pungent

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Evaporation rate: No data available.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Soluble

Viscosity: Highly viscous

Boiling point/range°C: No data available.

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: No data available.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 1.1

pH: <2

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 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.

10.5. Incompatible materials

Materials to avoid: Strong reducing agents. Bases.

10.6. Hazardous decomposition products

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

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

GLYCOLLIC ACID 100%

ORAL	RAT	LD50	2040	mg/kg
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SULPHAMIC ACID

IPR	RAT	LDLO	100	mg/kg
ORL	MUS	LD50	1312	mg/kg
ORL	RAT	LD50	3160	mg/kg

HYDROFLUORIC ACID...100%

IPR	RAT	LDLO	25	mg/kg
SCU	FRG	LDLO	112	mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	INH ING	Hazardous: calculated
Acute toxicity (ac. tox. 3)	DRM	Hazardous: calculated
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be redness or whiteness of the skin in the area of exposure. Severe burns may occur.

Eye contact: There may be irritation and pain. The vision may become blurred. Corneal burns may occur.

Ingestion: There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips. 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. There may be congestion of the lungs causing severe shortness of breath.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

GLYCOLLIC ACID 100%

Daphnia magna	48H EC50	141	mg/l
FISH (Pimephales promelas)	96H LC50	164	mg/l
GREEN ALGAE (Pseudokirchneriella subcapitata)	72H ErC50	44	mg/l

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SULPHAMIC ACID

DAPHNIA	48H EC50	71.6	mg/l
FISH	96H LC50	70.3	mg/l

12.2. Persistence and degradability

Persistence and degradability: All ingredients in this formulation comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. 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. Greater than 80% biodegradable according to method OECD 301.

12.3. Bioaccumulative 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: The product may affect the acidity (pH factor) in water with risk of harmful effects to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

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

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

Section 14: Transport information

14.1. UN number

UN number: UN1760

14.2. UN proper shipping name

Shipping name: CORROSIVE LIQUID, N.O.S.
(GLYCOLLIC ACID 70%; HYDROFLUORIC ACID...100%)

14.3. Transport hazard class(es)

Transport class: 8

14.4. Packing group

Packing group: II

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14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 2

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

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

Section 16: Other information

Other information

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: H300: Fatal if swallowed.
H302: Harmful if swallowed.
H302+332: Harmful if swallowed or if inhaled.
H310: Fatal in contact with skin.
H311: Toxic in contact with skin.
H314: Causes severe skin burns and eye damage.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H330: Fatal if inhaled.
H332: Harmful if inhaled.
H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.