our safety data sheet for...

Destainer and Renovator

DELPHIS eco PROFESSIONAL CLEANING

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

1.1 Product Identifier
Product Name: Destainer and Renovator
Product Code: GREN050 (concentrate)

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use of the Substance/Mixture: Sanitising hard surface cleaner.
Recommended restrictions on use: We do not have information on restrictions. They will be included when available.

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: Skin Corr. 1A: H314
Most important adverse effects: Causes severe skin burns and eye damage.

2.2 Label elements
Hazard statements: H314: Causes severe skin burns and eye damage.



Signal words: Danger
Hazard pictograms: GHS05: Corrosion
Precautionary statements:
P260: Do not breathe dust/fumes/gas/mist/vapours/spray.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor/first aid.

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

3. Composition/Information on Ingredients

3.2 Mixtures

Ingredient Name	EINECS	CAS	CLP Classification	Percent
SODIUM HYDROXIDE (REACH registered number(s): 01-2119457892-27)	215-185-5	1310-73-2	Skin Corr. 1A: H314	5-10%
POTASSIUM HYDROXIDE (REACH registered number(s): 01-2119487136-33)	215-181-3	1310-58-3	Acute Tox. 4: H302; Skin Corr. 1A: H314	1-5%
SODIUM HYPOCHLORITE SOLUTION CL ACTIVE	231-668-3	7681-52-9	Skin Corr. 1B: H314; Aquatic Acute 1: H400; -: EUH031	1-5%

4. First Aid Measures

4.1 Description of first aid measures
Eye contact: Avoid contact with eyes, if product gets into eyes, rinse with water.
Skin contact: Avoid contact with skin, if product gets onto skin wash with water and remove contaminated clothing.
Ingestion: Do not drink, if swallowed drinking water may be beneficial, do not induce vomiting.
Inhalation: Avoid inhaling product, move to fresh air if in discomfort.

4.2 Most important symptoms and effects, both acute and delayed
Skin contact: Irritation or pain may occur at the site of contact. Severe burns may occur.
Eye contact: There may be severe pain. Corneal burns may occur. May cause permanent damage.
Ingestion: Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Inhalation: There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

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: Corrosive. 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: If outside keep bystanders upwind and away from danger point. 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. Refer to section 8 of SDS for personal protection details.

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: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

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. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

7.2 Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

8. Exposure Controls/Personal Protection

8.1 Control parameters
Hazardous ingredients: SODIUM HYDROXIDEv

Workplace exposure limits:			Respirable dust	
State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	2 mg/m3	-	-

POTASSIUM HYDROXIDE				
UK	-	2 mg/m3	-	-

DNEL / PNEC Values: No data available.

8.2 Exposure controls

Engineering measures:	Ensure there is sufficient ventilation of the area.
Respiratory protection:	Not normally required. However, inhalation of vapour or spray should be avoided.
Hand protection:	Wear protective gloves.
Eye protection:	Wear safety glasses with side-shields. 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:	Pale green
Odour:	Pungent
Evaporation rate:	Slow
Solubility in water:	Soluble
Viscosity:	Non-viscous
Boiling point/range°C:	100
Relative density:	1.175
Melting point/range°C:	0
pH:	13.5

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: Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to Avoid
Conditions to avoid: Direct sunlight. Heat. Light.

10.5 Incompatible materials
Materials to avoid: Acids. Reducing agents. Acid anhydrides. Copper. Nickel. Iron. Organic materials.

10.6 Hazardous decomposition products
Haz. decomp. products: In combustion emits toxic fumes of hydrogen chloride / phosgene. Contact with acids liberates toxic gas.

11. Toxicological Information

11.1 Information on toxicological effects
Hazardous ingredients:

SODIUM HYDROXIDE			
IPR	MUS	LD50	40 mg/kg
ORL	RBT	LDLO	500 mg/kg
POTASSIUM HYDROXIDE			
ORL	RAT	LD50	273 mg/kg
SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE			
ORL	MUS	LD50	5800 mg/kg

Relevant hazards for product:

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

Skin contact:	Irritation or pain may occur at the site of contact. Severe burns may occur.
Eye contact:	There may be severe pain. Corneal burns may occur. May cause permanent damage.
Ingestion:	Corrosive burns may appear around the lips. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.
Inhalation:	There may be shortness of breath with a burning sensation in the throat. Exposure may cause coughing or wheezing.

12. Ecological Information

12.1 Toxicity
Hazardous ingredients:

POTASSIUM HYDROXIDE			
DAPHNIA	48H	EC50	40-240 mg/l
FISH	96H	LC50	80-85 mg/l

12.2 Persistence and Degradability
Persistence and degradability: Biodegradable in part only. Photodegradable.

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: Very toxic to aquatic organisms.

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

14.1 UN number
UN number: UN1791

14.2 UN Proper shipping name
Shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)

14.3 Transport hazard classes
Transport class: 8

14.4 Packing group
Packing group: III

14.5 Environmental hazards
Environmentally hazardous: No
Marine pollutant: No

14.6 Special precautions for user
Special precautions: Limited Quantity - 5 L/kg
Tunnel code: E
Transport category: 3

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Specific regulations: Not applicable.

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.

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: EUH031: Contact with acids liberates toxic gas.
H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H400: Very toxic to aquatic life.

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: 25.07.19

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.

Revision Number: 5.0