

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Product name : GREEN'R DEGREASER 150°C  
Product code : 341  
Type of product : Detergent  
Product group : Mixture

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

##### 1.2.1. Relevant identified uses

Main use category : Professional uses  
Use of the substance/mixture : Degreaser

##### 1.2.2. Uses advised against

No additional information available

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

##### Manufacturer

Christeyns Professional Hygiene UK Ltd  
Clover House  
Macclesfield Road  
SK23 7DQ Whaley Bridge, Derbyshire  
United Kingdom  
T 01663 733114, F 01663 733115  
[info.cph.uk@christeyns.com](mailto:info.cph.uk@christeyns.com), [www.christeyns-ph.co.uk](http://www.christeyns-ph.co.uk)

##### Supplier

Christeyns NV  
Afrikalaan 182  
9000 GENT  
Belgium  
T +32 (0)9/ 223 38 71, F +32 (0)9/ 233 03 44  
[info@christeyns.be](mailto:info@christeyns.be), [www.christeyns.com](http://www.christeyns.com)

#### 1.4. Emergency telephone number

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Corrosive to metals, Category 1 H290  
Skin corrosion/irritation, Category 1 H314  
Serious eye damage/eye irritation, Category 1 H318  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

CLP Signal word

: Danger

Contains

: Potassium hydroxide

Hazard statements (CLP)

: H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP)

: P102 - Keep out of reach of children.  
P234 - Keep only in original container.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331+P310 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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Immediately call a POISON CENTER/doctor.  
P303+P361+P353+P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.. Immediately call a POISON CENTER/doctor.  
P305+P351+P338+P310 - 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.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Potassium hydroxide substance with national workplace exposure limit(s) (BE, BG, CZ, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, PL, PT, SE, IS, NO, CH)	CAS-no: 1310-58-3 Einecs nr: 215-181-3 EG annex nr: 019-002-00-8 REACH-no: 01-2119487136-33	10 – 30	Acute Tox. 4 (Oral), H302 (ATE=333 mg/kg bodyweight) Skin Corr. 1A, H314 Eye Dam. 1, H318 Met. Corr. 1, H290

### Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Potassium hydroxide	CAS-no: 1310-58-3 Einecs nr: 215-181-3 EG annex nr: 019-002-00-8 REACH-no: 01-2119487136-33	(0.5 $\leq$ C < 2) Eye Irrit. 2, H319 (0.5 $\leq$ C < 2) Skin Irrit. 2, H315 (2 $\leq$ C < 5) Skin Corr. 1B, H314 (5 $\leq$ C $\leq$ 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General advice	: In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	: Take off immediately all contaminated clothing. Wash skin with plenty of water and soap.
Eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	: Rinse mouth with water, do not induce vomiting, call a doctor.

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

Acute effects inhalation	: No data available.
Acute effects skin	: Causes severe burns.
Acute effects eyes	: Causes serious eye damage.
Acute effects oral route	: Burns of the upper digestive and respiratory tracts.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	: Carbon dioxide. Foam. Dry powder. Water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire	: Combustion products may include the following: carbon oxides (CO, CO <sub>2</sub> ) (carbon monoxide, carbon dioxide) nitrogen oxides (NO, NO <sub>2</sub> etc.).
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### 5.3. Advice for firefighters

- Firefighting instructions : Fight fire with normal precautions from a reasonable distance. Prevent fire fighting water from entering the environment.
- Protection during firefighting : Use a self-contained breathing apparatus and also a protective suit.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

- Protective equipment : Concerning personal protective equipment to use, see section 8.
- Emergency procedures : Only qualified personnel equipped with suitable protective equipment may intervene. Ventilate spillage area. Avoid contact with skin and eyes. Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment.
- Emergency procedures : Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous.

### 6.2. Environmental precautions

Avoid release to the environment.

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

- For containment : Absorb spilled material with sand or earth.
- Methods for cleaning up : Clear up rapidly by scoop or vacuum. Wash away remainder with plenty of water.
- Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Emergency eye showers should be available nearby. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Protect from sunlight. Store at ambient temperature.
- Storage temperature : 5 – 40 °C
- Material(s) to avoid : Acids, strong oxidising agents.
- Storage area : Store in a well-ventilated place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

Potassium hydroxide (1310-58-3)	
Ireland - Occupational Exposure Limits	
Local name	Potassium hydroxide
OEL STEL	2 mg/m <sup>3</sup>
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
United Kingdom - Occupational Exposure Limits	
Local name	Potassium hydroxide
WEL STEL (OEL STEL)	2 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

#### 8.1.2. Recommended monitoring procedures

No additional information available

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### 8.1.3. Air contaminants formed

No additional information available

### 8.1.4. DNEL and PNEC

No additional information available

### 8.1.5. Control banding

No additional information available

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

### 8.2.2. Personal protection equipment

#### Personal protective equipment:

Avoid all unnecessary exposure. Protective clothing.

#### Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

##### Eye protection:

Wear eye protection. Wear a face shield. Safety glasses. ISO 16321-1

#### 8.2.2.2. Skin protection

##### Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

##### Hand protection:

protective gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). Time of penetration is to be checked with the glove producer. Nitrile rubber gloves

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

No personal breathing protective equipment is normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with combined vapor/particle filter (EN 141). Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Light brown.
Physical state/form	: Liquid.
Odour	: Slight.
Odour threshold	: Not available
Melting point/range	: Not determined as it is not relevant for the characterization of the product
Freezing point	: Not determined as it is not relevant for the characterization of the product
Softening point	: Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range	: Not determined as it is not relevant for the characterization of the product
Flammability	: Not applicable (aqueous liquid)
Explosive properties	: Constituents do not contain chemical groups associated with explosivity.
Lower explosion limit	: Not determined as it is not relevant for the characterization of the product

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Upper explosion limit	: Not determined as it is not relevant for the characterization of the product
Flash point	: Not determined as it is not relevant for the characterization of the product
Autoignition temperature	: Not determined as it is not relevant for the characterization of the product
Decomposition temperature	: Not determined as it is not relevant for the characterization of the product
pH	: 13 – 14
pH solution concentration	: 1 %
Viscosity, kinematic	: Not available
Viscosity, dynamic	: 70 – 200 cP
Solubility	: Water: 100 %
Partition coefficient n-octanol/water (Log Kow)	: Not available
Log Pow	: Not applicable for preparations
Vapour pressure	: Without VOC (volatile organic compounds)
Vapour pressure at 50°C	: Not available
Density	: 1.125 g/cm <sup>3</sup>
Relative density	: 1.115 – 1.135
Relative vapour density at 20°C	: Without VOC (volatile organic compounds)
Particle characteristics	: Not applicable

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

The product is stable at normal handling and storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Extremely high or low temperatures.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. Nitrogen oxides.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Potassium hydroxide (1310-58-3)	
LD50 oral rat	273 mg/kg
LD50 oral	333 mg/kg bodyweight
Skin corrosion/irritation	: Causes severe skin burns. pH: 13 – 14

Potassium hydroxide (1310-58-3)	
pH	14
Serious eye damage/irritation	: Causes serious eye damage. pH: 13 – 14

Potassium hydroxide (1310-58-3)	
pH	14
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

#### Potassium hydroxide (1310-58-3)

LC50 - Fish [1]	Western mosquitofish (Gambusia affinis) 80 mg/l. 96 hours
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### 12.2. Persistence and degradability

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Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
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#### Potassium hydroxide (1310-58-3)

Persistence and degradability	Not rapidly degradable
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### 12.3. Bioaccumulative potential

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Log Pow	Not applicable for preparations
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Dispose of in accordance with relevant local regulations.
Product/Packaging disposal recommendations	: a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste. Refer to manufacturer/supplier for information on recovery/recycling.
Waste / unused products	: Collect all waste in suitable and labelled containers and dispose according to local legislation.
European List of Waste (LoW, EC 2000/532)	: 20 01 29* - detergents containing dangerous substances
HP Code	: HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure. HP8 - "Corrosive:" waste which on application can cause skin corrosion.

## SECTION 14: Transport information




In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
UN 1814	UN 1814	UN 1814
<b>14.2. UN proper shipping name</b>		
POTASSIUM HYDROXIDE SOLUTION	POTASSIUM HYDROXIDE SOLUTION	Potassium hydroxide solution

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ADR	IMDG	IATA
<b>Transport document description</b>		
UN 1814 POTASSIUM HYDROXIDE SOLUTION, 8, II, (E)	UN 1814 POTASSIUM HYDROXIDE SOLUTION, 8, II	UN 1814 Potassium hydroxide solution, 8, II
<b>14.3. Transport hazard class(es)</b>		
8	8	8
		
<b>14.4. Packing group</b>		
II	II	II
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No
No supplementary information available		

### 14.6. Special precautions for user

#### Overland transport

Classification code (ADR)	: C5
Limited quantities (ADR)	: 1I
Packing instructions (ADR)	: P001, IBC02
Mixed packing provisions (ADR)	: MP15
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP2
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 2
Hazard identification number (Kemler No.)	: 80
Orange plates	: 
Tunnel code	: E
EAC code	: 2R

#### Transport by sea

Limited quantities (IMDG)	: 1 L
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02

#### Air transport

PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provisions (IATA)	: A3, A803

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

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### SECTION 15: Regulatory information

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

##### 15.1.1. EU-Regulations

Other information, restriction and prohibition regulations : Not affected by the conditions of restriction \_ ANNEXE XVII.

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### Detergent Regulation (648/2004)

Labelling of contents	
Component	%
non-ionic surfactants	<5%

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
		Modified	

Other information : It is recommended to pass the information of this safety data sheet, eventually in an appropriated form, to the users. Such information is actually to be best of our knowledge and believes accurate as reliable. This information relates to the specific material designated and may not be valid in combination with other product(s). EC Regulation 1272/2008 and its amendments.

Full text of H- and EUH-statements:	
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.



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### Full text of H- and EUH-statements:

H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Met. Corr. 1	H290	Calculation method
Skin Corr. 1	H314	On basis of test data
Eye Dam. 1	H318	On basis of test data

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.