



## Safety Data Sheet

This version supersedes all previous versions. Published 1<sup>st</sup> June 2015.  
This SDS has been created in compliance with CLP Regulation (EC) No 1272/2008 in accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS), REACH EC No 1907/2006 and Detergent Regulation 648/2004/EC.

Version 2.1  
Updated 29/10/2019

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

#### **1.1 Product identifier:**

Clean Chain Degreaser Jelly  
Also known as, Clean Chain Degreaser and Clean Chain Ecological Degreaser.

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

Bicycle chain degreaser.  
Designed to stick to a bicycle chain and be scrubbed of to clean that chain.  
Can be diluted 1 parts to 9 parts water to make 1 litre of Green Clean bike cleaner.

#### **1.3 Details of the Supplier of the Safety Data Sheet: Manufacturer / Supplier**

Green Oil UK Ltd,  
Unit S7,  
The Old Granary,  
245 Coldharbour Lane  
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London  
SW9 8RR  
United Kingdom  
[Info@GreenOil.cc](mailto:Info@GreenOil.cc)  
+44 (0)20 7274 8725  
Office hours: 0900 - 1800 GMT.

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\_\_\_\_\_Portugal:

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**United Kingdom:** i-ride (The Martlet Group Ltd), 7-8B Mid Sussex Business Park, Ditchling Common Ind. Est, Folders Lane East, Ditchling, Sussex, BN6 8SE United Kingdom. 01444 243 00. [info@i-ride.co.uk](mailto:info@i-ride.co.uk).

**And Green Oil UK Ltd, Unit S7, The Old Granary, 245 Coldharbour Lane, SW9 8RR, United Kingdom. 020 7274 8725. [info@greenoil.cc](mailto:info@greenoil.cc). Office hours: 0900: 1800 weekdays.**

## **SECTION 2: Hazards identification**

### **2.1 Classification of the substance or mixture:**

H315 + H320	Causes skin and eye irritation
H317	Contains d-Limonene. May cause an allergic skin reaction

### **2.2 Label elements**



#### **Signal word:**

Warning

#### **Hazard Statements:**

H315 + H320	Causes skin and eye irritation
H317	Contains d-Limonene. May cause an allergic skin reaction

#### **Prevention:**

P102	Keep out of reach of children
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#### **Response:**

P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.
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#### **Disposal:**

P501	Dispose of contents to compost bin or suitable waste disposal facility. Dispose of bottle to HDPE recycling bank and cap to PP recycling bank if possible
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### **2.3 Other hazards**

Contains extremely small quantity of d-limonene, within orange sinensis orange peel extract used. CAS number 8028-48-6.  
May cause allergic skin reaction.



## **SECTION 3: Composition / information on ingredients**

### **3.2 Mixtures**

#### **Non hazardous ingredients**

Organic, fermented apple extract.

<b>% Weight</b>	<b>Name</b>	<b>Classification according to Regulation (EC) No 1278/2008 (CLP).</b>
Over 10%	Water	<b>NA</b>
Less than 10%	Vegetable glycerine	<b>NA</b>
Less than 1%	Indigo	<b>NA</b>
Less than 1%	Sodium Chloride	<b>NA</b>

#### **Hazardous ingredients:**

<b>CAS number</b>	<b>% Weight</b>	<b>Name</b>	<b>Classification according to Regulation (EC) No 1278/2008 (CLP).</b>
68585-34-2	5% - 15%	Anionic Surfactant	H315 H320
8051-30-7	1% - 5%	Nonionic Surfactant	H315 H318
8028-52-9	<5%	Organic fermented apple extract / apple cider vinegar.	H319
1310-73-2	0.1% - 1%	Sodium Hydroxide	H290
8028-48-6	<0.1%	Orange sinensis (sweet orange extract)	H315 H304 H317

Note: H Phrases apply to ingredients separately at 100% volume, not necessarily to end product, as each substance is diluted.

## **SECTION 4: First Aid Measures**

### **4.1 Description of first aid measures**

#### **General notes**

**Following inhalation:** Seek medical attention if fluid is inhaled. No medical attention necessary if just vapour from fluid is inhaled. However, if headache, nausea or drowsiness occurs, go to fresh air.

**Following skin contact:** Wash with water.

**Following eye contact:** Rinse eye with slow flowing cool water for 1 minute, or with eye wash according to eye wash instructions.  
If skin rash or eye irritation persist, get medical attention and show them product packaging.

**Following ingestion:** do not induce vomiting.  
Give effected individual two glasses of water to drink in their own time.

**Self-protection of the first aider:** Take normal, reasonable precautions.

#### **Precautionary phrases**

P102	Keep out of reach of children
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.

### **4.2 Most important symptoms and effects**

Ingestion may cause nauseous feeling.

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

See section 4.1 above.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

All extinguishing media can be used.

Unsuitable extinguishing media: None

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

None

### **5.3 Advice for fire-fighters**

Product is readily biodegradable. In waterways product will biodegrade.

Product can be dispersed with water, and is water soluble.

## **SECTION 6: Accidental Release Measures**

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

Wear latex, or neoprene gloves when using.

#### **6.1.1 For non-emergency personnel**

Protective gloves should be worn whilst clearing up the spill.

#### **6.1.2 For emergency responders**

No special precautions required

### **6.2 Environmental precautions**

If spilt in vast quantities, use sand or soil to absorb.

Biodegradable and not environmentally hazardous in normal use.

### **6.3: Methods and material for containment and cleaning up**

#### **6.3.1 For containment:**

Generally a consumer may spill up to 100ml from a single bottle.

This advice is only relevant if a large number of bottles are damaged, and a vast quantity of product spilled:

Bunding, soil or sand may be used to contain a spill.

#### **6.3.2 For cleaning up:**

Neutralising techniques: Use water, sand or soil

Decontamination techniques: Use water to remove from skin.

Use water to wash away from roads.

Absorbent materials: sand or soil

#### **6.3.3 For cleaning up:**

Vacuuming techniques: Product should not be sucked up with a vacuum cleaner, unless dry and mixed with sand.

Clothing should be washed with normal washing powder or just water to remove product.

### **6.4 Reference to other sections**

See section 13 for packaging recycling and waste handling information.

## **SECTION 7: Handling and storage**

**7.1.1** Latex or neoprene gloves are recommended for prolonged use or extended contact with product. Wear goggles if there is any risk of splashing.

**7.1.2** Advice on general occupational hygiene:

Do not eat whilst using this product.

**7.2.1** Store with lid tightly secured. Store in a cool but frost free place. Keep out of the reach of children.

**7.2.2** Keep away from: children

**7.3** Specific end uses: See instructions on bottle and section 1.2.

## **SECTION 8: Exposure controls/ personal protection**

### **8.1 Control parameters**

**8.1.1.1-4 National exposure limits for hazardous substances within the mixture:** None applicable.

**8.1.2 Recommended monitoring procedures:** Not applicable

**8.1.3 Air contaminants:** No air contaminants are formed, see tables in: .1.1.1

### **8.1.4 Derived No Effect Levels (ENEL/DMEL) Table (DNELs)**

<b>Substance: Anionic surfactant CAS: 68585-34-2</b>								
	<b>Workers</b>				<b>Consumers</b>			
<b>Route of exposure</b>	<b>Acute effect local</b>	<b>Acute effects systemic</b>	<b>Chronic effects local</b>	<b>Chronic effects systemic</b>	<b>Acute effects local</b>	<b>Acute effects systemic</b>	<b>Chronic effects Local</b>	<b>Chronic effects systemic</b>
<b>Oral</b>	Not required					Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available
<b>Inhalation</b>	No hazard identified	No hazard identified	No hazard identified	No hazard identified	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available
<b>Dermal</b>	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available



<b>Substance: Nonionic Surfactant</b>									
<b>CAS: 8051-30-7</b>									
	<b>Workers</b>				<b>Consumers</b>				
<b>Route of exposure</b>	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects Local	Chronic effects systemic	
<b>Oral</b>	Not required					Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	
<b>Inhalation</b>	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	
<b>Dermal</b>	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	

<b>Substance: Orange, sweet (orange sinenthis)</b>									
<b>CAS: 8028-48-6</b>									
	<b>Workers</b>				<b>Consumers</b>				
<b>Route of exposure</b>	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effects local	Acute effects systemic	Chronic effects Local	Chronic effects systemic	
<b>Oral</b>	Not required					Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	
<b>Inhalation</b>	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 31.1 mg/m <sup>3</sup>	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 7.78 mg/m <sup>3</sup>	
<b>Dermal</b>	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 8.89 mg/kg bw/day	Hazard identified but no DNEL available	Hazard identified but no DNEL available	Hazard identified but no DNEL available	(DNEL) 4.44 mg/kg bw/day	

### **Anionic Surfactant**

<b>Environmental protection target</b>	<b>PNEC</b>
Fresh Water	No hazard identified
Fresh water sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Food chain	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agriculture)	No hazard identified
Air	No hazard identified

### Nonionic Surfactant

<b>Environmental protection target</b>	<b>PNEC</b>
Fresh Water	No hazard identified
Fresh water sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Food chain	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agriculture)	No hazard identified
Air	No hazard identified

### Sodium Hydroxide

<b>Environmental protection target</b>	<b>PNEC</b>
Fresh Water	No hazard identified
Fresh water sediments	No hazard identified
Marine water	No hazard identified
Marine sediments	No hazard identified
Food chain	No hazard identified
Microorganisms in sewage treatment	No hazard identified
Soil (agriculture)	No hazard identified
Air	No hazard identified

## Orange sinensis 'Sweet Orange' orange peel extract

Environmental protection target	PNEC
Fresh Water	5.4 µg/L
Fresh water sediments	1.3 mg/kg sediment dw
Marine water	540 ng/L
Marine sediments	130 µg/kg sediment dw
Food chain	No potential to cause toxic effects if accumulated (in higher organisms) via the food chain
Microorganisms in sewage treatment	2.1 mg/L
Soil (agriculture)	261 µg/kg soil dw
Air	No hazard identified

## 8.2 Exposure Controls

### 8.2.1 Appropriate engineering controls

No specific engineering controls are required

### 8.2.2 Individual protection measures, such as personal protective equipment.

Latex, or neoprene gloves are recommended if using this product for extended periods for those with sensitive skin, or whilst cleaning up after a large spill.

#### 8.2.2.1 Personal protective equipment for fire control

See section 5.

#### 8.2.2.2. Protection equipment:

(a) Eye protection: Safety glasses or goggles may be worn to inhibit contact with eyes where splashing might occur.

(b) Hand protection: Latex, or neoprene gloves are recommended if using this product for extended periods for those with sensitive skin.

(c) Respiratory protection: Not required

(d) Thermal hazards: No thermal hazards applicable.

### 8.2.3 Environmental exposure controls

Product is biodegradable within 28 days, and water soluble. However, avoid release into the environment.

## **Section 9: Physical and chemical properties**

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

- (a) **Appearance:** Blue viscous liquid.
- (b) **Odour:** Sweet with hint of orange.
- (c) **Odour threshold** No information available
- (d) **pH:** 5
- (e) **Melting point/ freezing point:** No information available
- (f) **Initial boiling point and boiling range:** No information available
- (g) **Flash point:** No information available
- (h) **Evaporation rate:** No information available
- (i) **Flammability (solid, gas):** Non-flammable
- (j) **Flammability limits**  
**Upper:** No data available  
**Lower:** No data available
- (k) **Vapour pressure:** No information available
- (l) **Vapour density:** No information available
- (m) **Relative density:** 1.03 Kg/L (at 20°C)
- (n) **Solubility(ies):** Complete in water
- (o) **Partition Coefficient:** No information available
- (p) **Auto-ignition temperature:** No information available
- (q) **Decomposition temperature:** No information available
- (r) **Viscosity:** 750 mPa's (at 20°C)
- (s) **Explosive properties:** None
- (t) **Oxidising properties:** None

### **9.2 Other information**

None

## **Section 10: Stability and Reactivity**

### **10.1 Reactivity**

None under normal conditions.

### **10.2 Chemical stability**

Stable under normal conditions of storage, handling and use.

Normal shelf life tested: 3 years in enclosed bottle.

### **10.3 Possibility of hazardous reactions**

Do not mix with other cleaning products.

### **10.4 Conditions to avoid**

Temperature extremes, store at >0°C and <40°C.

### **10.5 Incompatible materials**

Potentially, other cleaning products.

### **10.6 Hazardous decomposition products**

Hazardous decomposition products from combustion only, include carbon dioxide, carbon monoxide and possibly other unidentified organic compounds.

Product is fully biodegradable producing carbon, CO<sub>2</sub>, and minerals which can be absorbed by plants.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

**(a) Acute toxicity;** No data available

**(b) Skin Irritation;** Can cause skin irritation through skin drying and dermatitis.

**(c) Eye irritation;** Irritating to eyes. Prolonged contact with product may cause de-fatting or slight irritation.

**(d) Respiratory or Skin sensitisation;** Sensitizer on some skin types due to d-limonene within orange sinensis extract used.. Can cause dry ness of skin with repeated exposure to skin through defatening.

**(e) Germ cell mutagenicity;** not a mutagen.

**(f) Carcinogenicity;** Not carcinogenic

**(g) Reproductive toxicity;** Not toxic for reproduction.

**(h) STOT-Single Exposure;** No specific targeted organ toxicity

**(i) STOT-Repeated Exposure;** No specific targeted organ toxicity

## **Section 12: Ecological information**

**12.1 Toxicity:** No data available

### **12.2 Persistence and degradability**

The raw materials in this product comply with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. The product is readily biodegradable under normal conditions.

### **12.3 Bio accumulative potential**

No bioaccumulation potential.

**12.4 Mobility in soil.** Not mobile in soil due to viscous nature, and water solubility.

### **12.5 Results of PBT and vPvB assessment:**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**12.6 Other adverse affects:** No petrochemical ozone creation potential, ozone depletion potential, endocrine disrupting potential or global warming potential applies to this product

## **SDS Section 13: Disposal considerations**

### **13.1 Waste treatment methods**

#### **13.1.1 Product packaging disposal:**

Return empty bottles to Green Oil UK Limited for 10p deposit  
Rinse and recycle! Rinse contents with water before recycling.

Bottle Body: Plastic type High Density Polyethylene.

Bottle material code:



Plastic cap: plastic type Polypropylene (PP)

Cap material code:



#### **13.1.2 Waste treatment-relevant information:**

Fluid can be disposed of in sealed bottle to land fill, or in an industrial or home composting facility as the formula is biodegradable.

**13.1.3 Sewage disposal-relevant information:** Product can be disposed of with normal sewage, though due to the

#### **13.1.4 Other disposal recommendations:**

Always follow local government, national and federal regulations where applicable.

## **Section 14: Transport Information**

This product is not classed as hazardous for transportation

## **Section 15: Regulatory information**

This SDS has been created in compliance with REACH EC No 1907/2006 and Detergent Regulation 648/2004/EC. It follows the CLP Regulation (EC) No 1272/2008 in accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS) on a voluntary basis.

This Safety Data Sheet also complies with OSHA in the USA and local national laws aligned with United Nations GHS (Globally Harmonized System of Classification and Labelling of Chemicals).

None of the substances within this mixture are Substances of Very High Concern (SVHCs) within Reach.

This product, nor the contents are covered or restriction by Regulation (EC) No 649/2012, or Regulation (EC) No 1005/2009 on ozone layer depletion.

### **Section 15.1:**

Safety, health and environmental regulations specifically for substance or mixture.

#### **Deutschland:**

Wassergefährdungsklassen: nwg, nicht wassergefährdende

**France:**

Aucun ingrédient avec le produit sont en tableaux de maladies professionnelles  
(<http://www.inrs-mp.fr/>)

**Neederland:**

Geen ingrediënten op lijst van kankerverwekkende, mutagene, en voor de voortplanting giftige stoffen SZW.

## 15.2 Chemical Safety Assessment

Chemical Safety Assessments have been carried out for all hazardous parts of this mixture and this safety data sheet and data within is based upon these.

No Volatile Organic Compounds (VOCs) are produced by this product.

**USA OSHA Hazards :**

Moderate eye irritant

**EPCRA - Emergency Planning and Community Right-to-Know Act**

None of the substances used are covered by EPCRA legislation in the quantities used.

**CERCLA Reportable Quantity.**

This material does not contain any components with a CERCLA reportable quantity.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards: None**

**SARA 302 :** SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:** SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCOMI Intermediate or Final VOC's (40 CFR 60.489).

**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

**US State Regulations**

**Massachusetts Right To Know Act.** No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know:**

See section 3.1.



**California Prop 65:**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**United States TSCA Inventory:**

No ingredients are on the TSCA inventory

**Canadian Domestic Substances List (DSL):**

All substances in this product are included in the Canadian Domestic Substance List, the list of all chemicals manufactured in or imported into Canada.

**Section 16: Other Information**

**16.1** This Safety Data Sheet was first published on Published 1<sup>st</sup> June 2015 in compliance with CLP Regulation (EC) No 1272/2008, Detergent Regulation 648/2004/EC and in accordance with Globally Harmonized System of Classification and Labelling of Chemicals (GHS). This version supersedes all previous versions. This updated version was published on 29/10/2019

Changes include:

Update of Section 1.3 Distributors / Suppliers.

**(a) Additional information**

Risk, Safety and Hazard phrases relevant to the raw materials contained in this product as per section 3:

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

H304: May be fatal if swallowed and enters airways

H315: Causes skin irritation

H320: Causes eye irritation

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H318: Causes serious eye damage

H319: Causes serious eye irritation.

**(b) Acronyms**

MSDS = Material Safety Data Sheet.

SDS = Safety Data Sheet.

GHS = Globally Harmonized System of Classification and Labelling of Chemicals.

**(c) References**

\*Page.6 Dr Filipsson *et al*, *Concise International Chemical Assessment Document 5, LIMONENE*. Geneva: World Health Organization.

**(d) Methodology**

Methodology for this Safety Data Sheet is in accordance with EC No 1972/2008. Many figures have been obtained and calculated from Safety Data Sheets of Each substance. EHCA (European Chemicals Agency) databases have been utilized, along with those of the US Environmental Protection Agency, the Canadian Government and the British Health and Safety Executive. This list is not exhaustive.

Classification procedure for all Hazard Phrases for all substances, and by that, this product according to Regulation (EC) Nr. 1272/2008 is based on data and of the European Chemicals Agency and expert judgement.

**Disclaimer:**

This information is based upon the present state of our knowledge.

This SDS has been compiled and is solely intended for this product.