

SAFETY DATA SHEET

Holistic Green Degreaser

According to Regulation (EC) No. 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

SECTION 1: Identification of the substance/mixture and of the company/undertaking	
1.1. Product identifier	
Product name	Holistic Green Degreaser
Product number	HG003
1.2. Relevant identified use	s of the substance or mixture and uses advised against
Identified uses	Detergent. For professional use only.
Uses advised against	Not for direct contact with Food or Beverage stuffs. Not for oral consumption.
1.3. Details of the supplier	of the safety data sheet
Supplier	Holchem Group Ltd. Gateway House, Pilsworth Road, Pilsworth Industrial Estate, Bury Lancashire (UK). 0161 7965772 info@holchem.co.uk
1.4. Emergency telephone	
Emergency telephone	Out of Office Hours Emergency Information:- For accidents and spillages involving this product that pose a threat to the environment, or human health, or require immediate first aid advice call:- +44(0) 7050 265597. Note:- This number will not accept order queries or calls dealing with equipment breakdowns. This product is registered with the NPIS. UK Environment Agency 24hour Advisory Service 0800 807060. Irish Environmental Protection Agency 1890 335599 (This is a Lo Call Number) This product is registered with the Irish National Poison Centre (NPIC at Beaumont Hospital - Dublin). The Poison Centre can be contacted between 8am and 10pm, telephone +00353 1 8092566.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture		
Classification (EC 1272/2008)		
Physical hazards	Not Classified	
Health hazards	Skin Irrit. 2 - H315 Eye Dam. 1 - H318	
Environmental hazards	Not Classified	
2.2. Label elements		
Pictogram		

Signal word

Danger

Hazard statements	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statements	<ul> <li>P264 Wash contaminated skin thoroughly after handling.</li> <li>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</li> <li>P302+P352 IF ON SKIN: Wash with plenty of water.</li> <li>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P332+P313 If skin irritation occurs: Get medical advice/ attention.</li> <li>P337+P313 If eye irritation persists: Get medical advice/ attention.</li> </ul>
Contains	COCOAMIDOPROPYL BETAINE, SODIUM ALKYL ETHER SULPHATE, SODIUM HYDROXIDE, C9-11 ALCOHOL ETHOXYLATE WITH 6.5M ETHYLENE OXIDE
Detergent labelling	< 5% amphoteric surfactants, < 5% anionic surfactants, < 5% non-ionic surfactants
Labelling notes	Classification based on specific concentration limits of Sodium Hydroxide.

## 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

Alanine, N,N-bis(carboxymethyl)-, trisodium salt		5-10%		
CAS number: —	REACH registration nu 0000016977-53	umber: 01-		
Classification Met. Corr. 1 - H290	C -	Classification (67	7/548/EEC or 1999/45/EC)	
COCOAMIDOPROPYL BETAINE				1-5%
CAS number: 61789-40-0	EC number: 263-058-8	8		
Classification	С	lassification (67	7/548/EEC or 1999/45/EC)	
Eye Dam. 1 - H318	Х	(i;R41.		
Aquatic Chronic 3 - H412				
SODIUM ALKYL ETHER SULPHATE				1-5%
CAS number: 68891-38-3	EC number: 500-234-8	8	REACH registration number: 01-	
			2119488639-16	
Classification	C	lassification (67	7/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315		(i; R38, R41		
Eye Dam. 1 - H318				
Aquatic Chronic 3 - H412				

SODIUM HYDROXIDE			1- <2%
CAS number: 1310-73-2	EC number: 215-18		REACH registration number: 01- 2119457892-27
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318		Classification (67/548 C;R35	/EEC or 1999/45/EC)
C9-11 ALCOHOL ETHOXYL OXIDE	ATE WITH 6.5M ETHYLENE		1-5%
CAS number: 68439-46-3			
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318		<b>Classification (67/548</b> Xn; R22. Xi; R41	/EEC or 1999/45/EC)
SODIUM C14-C17 SECOND	ARY ALKYL SULPHONATE		<1%
CAS number: 97489-15-1	EC number: 307-055		REACH registration number: 01- 2119489924-20-XXXX
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412		Classification (67/548 Xn;R22. Xi;R38,R41.	/EEC or 1999/45/EC)
The Full Text for all R-Phrase	s and Hazard Statements are Dis	played in Section 16.	
Composition comments	To the best of our knowledge, a for the relevent application in R		sed in this product are being supported
SECTION 4: First aid measure	es		
4.1. Description of first aid me	asures		
Inhalation	•	tion comfortable for br	n. Move affected person to fresh air and reathing. If breathing stops, provide omfort continues.
Ingestion	Rinse mouth thoroughly. Remo medical attention if symptoms a		and keep comfortable for breathing. Get
Skin contact	Remove contaminated clothing irritation persists after washing.	and rinse skin thoroug	ghly with water. Get medical attention if
Eye contact			nutes. Remove any contact lenses and al attention and bring along these
4.2. Most important symptoms	s and effects, both acute and dela	yed	
General information		-	Dilute chemical may result in mild should still be treated as outlined above.

Inhalation	Unlikely route of exposure. Inhalation of sprayed droplets may result in soreness of the throat, mouth and nose.
Ingestion	Unlikely route of exposure without deliberate abuse. If neat chemical is ingested, irritation of the mouth, throat and GI tract may occur. If dilute chemical is ingested some soreness of the mouth, throat and GI tract may occur.
Skin contact	Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.
Eye contact	Causes serious eye damage. May result in permanent eye damage.
4.3. Indication of any immedia	te medical attention and special treatment needed
Notes for the doctor	Rinse well with water to neutral pH.
SECTION 5: Firefighting meas	ures
5.1. Extinguishing media	
Suitable extinguishing media	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
5.2. Special hazards arising fro	om the substance or mixture
Specific hazards	The product is non-combustible. Irritating gases or vapours. In contact with some metals (Aluminium, Zinc and their Alloys) Hydrogen Gas is formed, which may form an explosive mixture with air.
5.3. Advice for firefighters	
Protective actions during firefighting	Protective clothing and respiratory protection should be worn when tackling fires involving this product. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
SECTION 6: Accidental release	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
6.2. Environmental precaution	<u>S</u>
Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Avoid or minimise the creation of any environmental contamination.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.
6.4. Reference to other section	<u>15</u>
Reference to other sections	See sections 8,12 & 13
SECTION 7: Handling and sto	rage
7.1. Precautions for safe hand	ling
Usage precautions	Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Read and follow manufacturer's recommendations.
7.2. Conditions for safe storag	e, including any incompatibilities

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

Storage precautions	Keep container tightly closed. Keep only in the original container. Store in a demarcated bunded area to prevent release to drains and/or watercourses.
7.3. Specific end use(s)	
Specific end use(s)	Detergent, refer to Product Information Sheet for full details.
Usage description	This product is suitable for use in food preparation areas, but is not designed for direct food contact.

SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

Occupational exposure limits

### SODIUM HYDROXIDE

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup> WEL = Workplace Exposure Limit

#### Ingredient comments

Where an exposure level is quoted, a risk assessment should consider if there is a need to monitor the atmosphere of the working environment. Results should be compared against the WEL and/or DNEL information provided. Where a worker is exposed to levels approaching a limit, further exposure control measures should be considered to reduce exposure to the substance. DNEL and/or PNEC information is supplied by manufacturers of substances in accordance with REACH legislation (Regulation (EC) No 1907/2006), and is used to provide suitable risk reduction measures to limit exposure of the user of the substance to a non hazardous level. If the measured level of exposure by a route divided by the DNEL for the route is greater than 1, then further exposure controls should be implemented as described in section 8.2. Where new information becomes available under REACH, this will be passed on as revisions to the Safety Data Sheet.

### Alanine, N,N-bis(carboxymethyl)-, trisodium salt

DNEL	Professional - Inhalation; Short term systemic effects: 40 mg/m <sup>3</sup> Professional - Inhalation; Short term local effects: 40 mg/m <sup>3</sup> Professional - Inhalation; Long term local effects: 4 mg/m <sup>3</sup>
PNEC	<ul> <li>Fresh water; 2 mg/l</li> <li>Marine water; 0.2 mg/l</li> <li>Intermittent release; 1 mg/l</li> <li>STP; 100 mg/l</li> <li>Soil; 2.5 mg/kg</li> </ul> COCOAMIDOPROPYL BETAINE (CAS: 61789-40-0)
DNEL	Professional - Dermal; Long term systemic effects: 12.5 mg/kg bw/day Professional - Inhalation; Long term systemic effects: 44 mg/m³
PNEC	<ul> <li>Fresh water; 0.0135 mg/l</li> <li>Marine water; 0.00135 mg/l</li> <li>Sediment (Freshwater); 1 mg/kg</li> <li>Soil; 0.8 mg/kg</li> <li>STP; 300 mg/l</li> <li>Sediment (Marinewater); 0.1 mg/kg</li> </ul>

### SODIUM ALKYL ETHER SULPHATE (CAS: 68891-38-3)

DNEL	Professional - Dermal; Long term systemic effects: 2750 mg/kg/day Professional - Inhalation; Long term systemic effects: 175 mg/m <sup>3</sup> General population - Oral; Long term systemic effects: 15 mg/kg/day General population - Dermal; Long term systemic effects: 1650 mg/kg/day General population - Inhalation; Long term systemic effects: 52 mg/m <sup>3</sup>
PNEC	<ul> <li>Fresh water; 0.24 mg/l</li> <li>Marine water; 0.024 mg/l</li> <li>Intermittent release; 0.071 mg/l</li> <li>Sediment (Freshwater); 5.45 mg/kg</li> <li>Sediment (Marinewater); 0.545 mg/kg</li> <li>Soil; 0.946 mg/kg</li> <li>STP; 10 g/l</li> </ul>
	SODIUM HYDROXIDE (CAS: 1310-73-2)
DNEL	Industry - Inhalation; Long term local effects: 1.0 mg/m <sup>3</sup> DNEL data for Professional users is not yet available, but it is assumed to be the same as for Industrial users. Industry - Dermal; Short term local effects: 2%
PNEC	No information is available for PNEC data for Sodium Hydroxide
<u>-</u>	SODIUM C14-C17 SECONDARY ALKYL SULPHONATE (CAS: 97489-15-1)
DNEL	Professional - Dermal; Short term local effects: 2,8 mg/cm2 Professional - Dermal; Long term systemic effects: 5mg/Kg bw/day Professional - Inhalation; Long term systemic effects: 35mg/m3 - Dermal; Long term local effects: 2.8 mg/cm <sup>2</sup>
PNEC	- Sediment (Marinewater); 0.94 mg/kg dw - Soil; 9.4mg/Kg dw - Intermittent release; 0.06mg/l - Sediment (Freshwater); 9.4 mg/Kg dw - Fresh water; 0.04mg/l - STP; 600mg/l - Marine water; 0.004mg/l

#### 8.2. Exposure controls

#### Protective equipment







Appropriate engineering controls

Personal protection

The PPE indicated above is not a COSHH assessment. It represents PPE that should be considered during the manufacture, distribution, use and final disposal stages of this product's life cycle. It is the responsibility of employers to conduct a COSHH/risk assessment to determine appropriate PPE levels. The information given below should be used to support this assessment. Where possible replace manual processes with automated or closed processes to minimise contact with the product.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Refer to EN Standard 166 to select appropriate level of protection.

Provide adequate general and local exhaust ventilation.

Hand protection	Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). Refer to Standard EN 374.
Other skin and body protection	Provide eyewash station. Wear suitable protective clothing as protection against splashing or contamination. Reference to EN 13832 and EN 943 is useful when selecting footwear and clothing.
Hygiene measures	Promptly remove non-impervious clothing that has become contaminated, provided it is not adhered to the skin. Wash contaminated clothing before reuse. Provide eyewash station and safety shower.
Respiratory protection	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Workplace Exposure Limit. In the case of dust or aerosol formation (eg spraying), or vapour from hot vessels, use respiratory protection with an approved filter (P2).
Environmental exposure controls	Do not allow the substance to contaminate surface water/ground water. See points 6, 12 &13.
General Health and Safety Measures.	The above classification refers to the neat product. An in use 2% solution would be unclassified, however use of gloves and eye protection is recommended. Risk assessments should be conducted before using any chemical, this should take into account COSHH and any other relevant legislation.

### SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties		
Appearance	Clear liquid.	
Colour	Green	
Odour	Detergent.	
Odour threshold	Not applicable.	
рН	Concentrate pH >13	
Melting point	Not applicable.	
Initial boiling point and range	Not applicable.	
Flash point	Not applicable. Contains no Flammable Components	
Evaporation rate	Not applicable.	
Evaporation factor	Not applicable.	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or explosive limits	Not applicable.	
Other flammability	Not applicable.	
Vapour pressure	Not applicable.	
Vapour density	Not applicable.	
Relative density	~ 1.04-1.06 @ 20 Degrees C	
Bulk density	Not applicable.	
Bulk density Solubility(ies)	Not applicable. Soluble in water.	
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### 9.1. Information on basic physical and chemical properties

Decomposition Temperature	Not applicable.	
Viscosity	Not determined.	
Explosive properties	Not applicable.	
Explosive under the influence of a flame	Not considered to be explosive.	
Oxidising properties	Not applicable. Contains no Oxidising Components.	
9.2. Other information		
Refractive index	Not applicable.	
Particle size	Not applicable.	
Molecular weight	Not applicable.	
Volatility	Not applicable.	
Saturation concentration	Not applicable.	
Critical temperature	Not applicable.	
Volatile organic compound	Not applicable.	
Explosive Properties	Not Classified as Explosive	
Storage Temperature Range	Store between 0 and 40 Degrees C	
SECTION 10: Stability and reactivity		
10.1. Reactivity		
Reactivity	Not expected to react when correctly stored and used. Mixing with other chemicals may produce unexpected reactions.	
10.2. Chemical stability		
Stability	Stable at normal ambient temperatures and when used as recommended See note 10.6.	
10.3. Possibility of hazardous	reactions	
Possibility of hazardous reactions	Refer to section 10.1.	
10.4. Conditions to avoid		
Conditions to avoid	Avoid excessive heat for prolonged periods of time.	
10.5. Incompatible materials		
Materials to avoid	Strong acids. Reaction with Aluminium, Zinc, Tin, Copper or their alloys produces flammable Hydrogen Gas.	
10.6. Hazardous decomposition products		
Hazardous decomposition products	Does not decompose when used and stored as recommended See section 10.5.	
SECTION 11: Toxicological information		
11.1. Information on toxicological effects		
Acute toxicity - oral		
ATE oral (mg/kg) Respiratory sensitisation	26,881.72	

Respiratory sensitisation	No evidence of respiratory sensitisation for any component of this formulation.	
Skin sensitisation		
Skin sensitisation	No evidence of skin sensitisation for any component of this formulation.	
Carcinogenicity		
Carcinogenicity	The components of this formulation will not be systemically available in the body under normal conditions of handling. As a consequence it is not expected to cause cancer.	
Reproductive toxicity		
Reproductive toxicity - fertility	The components of this formulation will not be systemically available in the body under normal conditions of use and handling. As a consequence it is not expected to be toxic to the reproductive system or developing foetus.	
General information	See section 4.2.	
Inhalation	Unlikely route of exposure. Inhalation of sprayed droplets may result in soreness of the throat, mouth and nose See section 4.2.	
Ingestion	Will cause severe irritation to mouth, throat and GI-Tract.	
Skin contact	Irritating to skin.	
Eye contact	Risk of serious damage to eyes. May cause permanent eye injury.	
SECTION 12: Ecological Information		
Ecotoxicity	The product is not expected to be hazardous to the environment.	
12.1. Toxicity		
12.2. Persistence and degradability		
Persistence and degradability	The surfactant(s) used in this preparation complies (comply) with the biodegradability criteria as laid down in the European Detergents Regulation No 648/2004 as amended.	
12.3. Bioaccumulative potentia	I	
Bioaccumulative potential	Not expected to bioaccumulate.	
Partition coefficient	Not applicable. Not technically practical for mixtures.	
12.4. Mobility in soil		
Mobility	The product contains substances which are water soluble and may spread in water systems.	
12.5. Results of PBT and vPvB assessment		
Results of PBT and vPvB assessment	This product does not contain any substances classified as PBT or vPvB.	
12.6. Other adverse effects		
Other adverse effects	Not determined.	
SECTION 13: Disposal conside	erations	
13.1. Waste treatment methods		
General information	When handling waste, the safety precautions applying to handling of the product should be considered. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements. Do not mix with other chemicals.	
Disposal methods	Small volumes of use solution can be disposed of to sewers.	

### **SECTION 14: Transport information**

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and the IBC Code

### **SECTION 15: Regulatory information**

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

 EU legislation
 European Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures.

 This replaces Directive 67/548/EEC - Classification, Packaging and Labelling of Dangerous Substances and Regulation (EC) No. 453/2010 relating to the Classification, Packaging and Labelling of Dangerous Preparations. Also considered is the REACH Regulation (EC) No.1907/2006.

### 15.2. Chemical safety assessment

#### Pcs Information

No chemical safety assessment has been carried out.

### SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	<ul> <li>(EC) No. 1272/2008 : EU Regulation on Classification, Labelling and Packaging of Substances and Mixtures.</li> <li>NPIS - National Poisons Information Service.</li> <li>vPvB - Very Persistent, Very bioaccumulative.</li> <li>PBT - Persistent, Bioaccumulative &amp; Toxic.</li> <li>REACH - Registration, Evaluation, Authorisation &amp; restriction of CHemicals (Regulation EC 1907/2006).</li> <li>DNEL - Derived No Effect Limit.</li> <li>PNEC - Predicted No Effect Concentration.</li> <li>COSHH - Control of Substances Hazardous to Health.</li> <li>Industry - Refers in section 8 to application/use of the preparation/product in a skilled trade premises.</li> </ul>
General information	This document is a Safety Data Sheet, NOT a CoSHH assessment. It is the customer's responsibility to conduct a full CoSHH assessment, taking into account the information held within this document along with other local factors considered in a risk assessment. The Risk and Hazard statements listed below are the full text of abbreviations used in this document. They are not the final classification, for this refer to section 2.
Revision comments	Product Launch
Revision date	20/04/2017
SDS number	23789
Hazard statements in full	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
REACH extended MSDS comments	REACH requires that persons handling chemicals should take the necessary risk management measures, in accordance with assessments from manufacturers and importers of chemical substances. The relevent recommendations must be passed along the supply chain. These assessments are generally reported in Exposure Scenarios. Where Exposure Scenarios have been provided for substances used in this product, the relevent information is incorporated into the safety data sheet.
END OF SAFETY DATA	

SHEET

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.