

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET HEAVY DUTY DEGREASER

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

#### 1.1. Product identifier

Product name	HEAVY DUTY DEGREASER
Internal identification	CBBGS/5
Container size	2x5L

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

Identified uses	Hard surface cleaner. For the removal of heavy fats and protein deposits. May be used through high pressure washer equipment. May be used in steam cleaners. May be used in foaming apparatus.
Uses advised against	Not for use on aluminium.

#### 1.4. Emergency telephone number

Emergency telephone	In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).
---------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Corr. 1A - H314 Eye Dam. 1 - H318
Environmental hazards	Not Classified

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Danger
Hazard statements	H314 Causes severe skin burns and eye damage.

## HEAVY DUTY DEGREASER

<b>Precautionary statements</b>	<p>P260 Do not breathe vapour/ spray.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p>
<b>Contains</b>	SODIUM HYDROXIDE, ALCOHOLS, C12-C14, ETHOXYLATED
<b>Supplementary precautionary statements</b>	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>

### 2.3. Other hazards

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

##### 3.2. Mixtures

<b>SODIUM HYDROXIDE</b> <span style="float: right;"><b>5-10%</b></span>		
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b>		
Skin Corr. 1A - H314		
Eye Dam. 1 - H318		
<b>ALCOHOLS, C12-C14, ETHOXYLATED</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 68439-50-9	EC number: 500-213-3	
<b>Classification</b>		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		
<b>2-(2-BUTOXYETHOXY)ETHANOL</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 112-34-5	EC number: 203-961-6	REACH registration number: 01-2119475104-44-XXXX
<b>Classification</b>		
Eye Irrit. 2 - H319		

The full text for all hazard statements is displayed in Section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Remove person to fresh air and keep comfortable for breathing. Keep affected person under observation. Get medical attention if symptoms are severe or persist.
-------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## HEAVY DUTY DEGREASER

<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Get medical attention.
<b>Skin contact</b>	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Get medical attention if symptoms are severe or persist.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if any discomfort continues.

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

<b>Inhalation</b>	Spray/mists may cause respiratory tract irritation.
<b>Ingestion</b>	No adverse effects known. May be harmful if swallowed.
<b>Skin contact</b>	May cause serious chemical burns to the skin.
<b>Eye contact</b>	May cause serious eye damage.

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

<b>Notes for the doctor</b>	No specific recommendations.
<b>Specific treatments</b>	Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.

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

<b>Specific hazards</b>	Corrosive gases or vapours.
-------------------------	-----------------------------

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Fight fire with normal precautions from a reasonable distance.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Avoid contact with skin, eyes and clothing. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material.
-----------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------

### 6.2. Environmental precautions

<b>Environmental precautions</b>	The product contains a substance which is harmful to aquatic organisms. Avoid discharge to the aquatic environment. Avoid contamination of ponds or watercourses with washing down water.
----------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

<b>Methods for cleaning up</b>	Clear up spills immediately and dispose of waste safely. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Discharge of small quantities to the sewer with plenty of water may be permitted.
--------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## HEAVY DUTY DEGREASER

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** For professional users only. Handle and open container with care. Avoid contact with skin, eyes and clothing. Avoid breathing spray.

**Advice on general occupational hygiene** Wash promptly if skin becomes contaminated.

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

**Storage precautions** Store in tightly-closed, original container. Store at temperatures between 0°C and 40°C.

**Storage class** Chemical storage. Corrosive storage.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2. Refer to Product Use Guide (PUG) for further information.

### 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>

##### 2-(2-BUTOXYETHOXY)ETHANOL

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

#### 8.2. Exposure controls

##### Protective equipment



##### Appropriate engineering controls

No specific ventilation requirements.

##### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

##### Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber. Wear protective gauntlets made of the following material: Polyvinyl chloride (PVC).

##### Hygiene measures

Wash promptly if skin becomes contaminated.

##### Respiratory protection

No specific requirements are anticipated under normal conditions of use. Respiratory protection may be required if excessive airborne contamination occurs. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

## HEAVY DUTY DEGREASER

### SECTION 9: Physical and chemical properties

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

Appearance	Clear liquid.
Colour	Colourless.
Odour	Detergent.
pH	pH (concentrated solution): 13 - 14
Initial boiling point and range	100°C
Flash point	Not applicable.
Flammability (solid, gas)	Not applicable.
Relative density	~ 1.065
Solubility(ies)	Soluble in water.
Decomposition Temperature	Not determined.
Viscosity	Non-viscous.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

Refractive index	~17.3
Volatile organic compound	This product contains a maximum VOC content of <1 %.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reactivity	The reactivity data for this product will be typical of those for the following class of materials: Strong alkalis.
------------	------------------------------------------------------------------------------------------------------------------------

#### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.
-----------	---------------------------------------------------------------------

#### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.
------------------------------------	--------------------------------------------------------------------------------

#### 10.4. Conditions to avoid

Conditions to avoid	No specific requirements are anticipated under normal conditions of use.
---------------------	--------------------------------------------------------------------------

#### 10.5. Incompatible materials

Materials to avoid	Chemically-active metals.
--------------------	---------------------------

#### 10.6. Hazardous decomposition products

Hazardous decomposition products	No known hazardous decomposition products.
----------------------------------	--------------------------------------------

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Toxicological effects	Information given is based on data of the components and of similar products.
-----------------------	-------------------------------------------------------------------------------

## HEAVY DUTY DEGREASER

### Acute toxicity - oral

**ATE oral (mg/kg)** 18,518.52

### Skin corrosion/irritation

**Skin corrosion/irritation** Causes severe burns.

**Extreme pH** ≥ 11.5

### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye damage.

**Medical considerations** Pre-existing eye problems.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.2. Persistence and degradability

**Persistence and degradability** The product contains mainly inorganic substances which are not biodegradable. The other substances in the product are expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 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** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 1760

**UN No. (IMDG)** 1760

**UN No. (ICAO)** 1760

**UN No. (ADN)** 1760

## HEAVY DUTY DEGREASER

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)
<b>Proper shipping name (IMDG)</b>	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)
<b>Proper shipping name (ICAO)</b>	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)
<b>Proper shipping name (ADN)</b>	CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

### 14.3. Transport hazard class(es)

<b>ADR/RID class</b>	8
<b>ADR/RID classification code</b>	C9
<b>ADR/RID label</b>	8
<b>IMDG class</b>	8
<b>ICAO class/division</b>	8
<b>ADN class</b>	8

#### Transport labels



### 14.4. Packing group

<b>ADR/RID packing group</b>	II
<b>IMDG packing group</b>	II
<b>ICAO packing group</b>	II
<b>ADN packing group</b>	II

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**  
No.

### 14.6. Special precautions for user

<b>EmS</b>	F-A, S-B
<b>ADR transport category</b>	2
<b>Emergency Action Code</b>	2X
<b>Hazard Identification Number (ADR/RID)</b>	80
<b>Tunnel restriction code</b>	(E)

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

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

## HEAVY DUTY DEGREASER

### SECTION 15: Regulatory information

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

##### EU legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).  
 Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).  
 Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products (as amended).  
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).  
 Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

##### Guidance

EH40/2005 Workplace exposure limits  
 Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations 2002 (as amended)  
 Health and Safety Executive

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Issued by</b>	Regulatory Chemist
<b>Revision date</b>	12/03/2021
<b>Revision</b>	10
<b>Supersedes date</b>	26/06/2020
<b>SDS number</b>	21281
<b>Hazard statements in full</b>	H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.

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.