

Process Heading	Product Specification
Process Owner	R&D Dept.
Reference	CLE01-ADW
Created By	Richard Jedrocha
Signature	
Date	07/03/2020

**SAFETY DATA SHEET  
ACCORDING TO 1907/2006/EC, ARTICLE 31**

**HEAVY DUTY DEGREASER**

**SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1 Product identifier**

Product name	Heavy Duty Degreaser
Product number	HDDCLE045

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

Identified uses	Automatic Dishwasher Liquid
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**1.3 Details of the supplier of the safety data sheet**

Supplier	Cleanux Chemicals Ltd Markays House Gordon Road Waltham Abbey EN9 1AF UK Tel: +44(0)207 854 1234 <a href="mailto:info@cleanux.co.uk">info@cleanux.co.uk</a>
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**1.4 Emergency telephone number**


Emergency telephone	Emergency contact number 0207 854 1234 (9am to 5pm Monday to Friday excluding bank holidays). Ask for Technical Department quoting the product name. Outside of these hours please contact your doctor or local hospital accident and emergency department or the NHS enquiry service (dial 111) quoting product name and present this MSDS advising them that the product is registered with the National Poisons Information Service
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**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE**

2.1.1 Classification – 1999/45/EC	SKIN CORR. 1A-H314; EYE DAM. 1-H318
Main Hazards	CAUSES SEVERE SKIN BURNS AND EYE DAMAGE

## 2.2 LABEL ELEMENTS

Symbols	
Signal word	DANGER
Hazard statement	H314-CAUSES SEVERE SKIN BURNS AND EYE DAMAGE
Precautionary Statement: Prevention	<p>P102-KEEP OUT OF REACH OF CHILDREN.</p> <p>P260-DO NOT BREATHE MIST.</p> <p>P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.</p>
Precautionary Statement: Response	<p>P 15- RESTRICTED TO PROFESSIONAL USERS.</p> <p>P301+P330+P331- IF SWALLOWED: RINSE MOUTH. DO NOT INDUCE VOMITING.</p> <p>P303+P361+P353- IF ON SKIN (OR HAIR): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER/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. IF MEDICAL ADVICE IS NEEDED, HAVE PRODUCT CONTAINER OR LABEL AT HAND.</p> <p>P304+P340-IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.</p> <p>P315- GET IMMEDIATE MEDICAL ADVICE/ATTENTION.</p> <p>P501- DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL REGULATIONS</p>

## 2.3 OTHER HAZARDS

Other hazards	Causes severe burns
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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Name	Range	EC No	CAS No	Reach No/Submission No	Classification according to 67/548/EEC
SODIUM HYDROXIDE	>1-<3%	215-185-5	1310-73-2	01-211945789227	H314
SODIUM LAURETH SULFATE	>1- <2%		68585-34-2		

## SECTION 4: FIRST AID MEASURES

## 4.1 DESCRIPTION OF FIRST AID MEASURES

Inhalation	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW THE LABEL WHERE POSSIBLE). IN CASE OF ACCIDENT BY INHALATION: REMOVE CASUALTY TO FRESH AIR AND KEEP AT REST.
Eye contact	RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYELIDS. GET MEDICAL ATTENTION.
Skin Contact	RINSE IMMEDIATELY WITH PLENTY OF WATER. GET MEDICAL ATTENTION
Ingestion	DO NOT INDUCE VOMITING. DRINK 1 TO 2 GLASSES OF WATER. IF SWALLOWED, RINSE MOUTH WITH WATER (ONLY IF PERSON IS CONSCIOUS)

## 4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Inhalation	INHALATION MAY CAUSE NAUSEA AND VOMITING.
Eye contact	SEVERE IRRITATION, CAUSES SERIOUS EYE TISSUE DAMAGE.
Skin Contact	SEVERE CORROSIVE SKIN DAMAGE.
Ingestion	INGESTION MAY CAUSE NAUSEA AND VOMITING

## 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Inhalation	IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE (SHOW LABEL WHERE POSSIBLE) REMOVE THE EFFECTED PERSON FROM THE SOURCE OF CONTAMINATION IMMEDIATELY.
Eye contact	SEVERE IRRITATION. RINSE IMMEDIATELY WITH PLENTY OF WATER FOR 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYELIDS. GET MEDICAL ATTENTION.
Skin Contact	SEVERE IRRITATION. RINSE IMMEDIATELY WITH PLENTY OF WATER. GET MEDICAL ATTENTION
Ingestion	INGESTION MAY CAUSE NAUSEA AND VOMITING, RINSE MOUTH THOROUGHLY. DRINK 1 TO 2 GLASSES OF WATER

## GENERAL INFORMATION

	A VOID CONTACT WITH EYES AND SKIN. IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL SEEK MEDICAL ADVICE IMMEDIATELY (SHOW LABEL WHERE POSSIBLE)
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## SECTION 5: FIREFIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

	WATER SPRAY
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### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

	IRRITATING GASES OR VAPOURS.
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### 5.3 ADVICE FOR FIREFIGHTERS

	SELF-CONTAINED BREATHING APPARATUS. (SCBA)
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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
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6.2 ENVIRONMENTAL PRECAUTIONS

	ADVISE LOCAL AUTHORITIES IF LARGE SPILLS CANNOT BE CONTAINED.
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6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

	ABSORB WITH INERT, ABSORBENT MATERIAL.
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6.4 REFERENCE TO OTHER SECTIONS

	FOR PERSONAL PROTECTION, SEE SECTION 8, FOR WASTE DISPOSAL SEE SECTION 13.
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FURTHER INFORMATION

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SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

	WEAR PROTECTIVE GLOVES, EYE/FACE PROTECTION. ADOPT BEST MANUAL HANDLING CONSIDERATIONS WHEN HANDLING, CARRYING AND DISPENSING. AVOID CONTACT WITH EYES AN SKIN. KEEP ONLY IN THE ORIGINAL CONTAINER. KEEP OUT OF REACH OF CHILDREN.
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7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

	DO NOT MIX WITH ANY OTHER PRODUCTS. KEEP ONLY IN THE ORIGINAL CONTAINER.
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7.3 SPECIFIC END USE(S)

	THE IDENTIFIED USES FOR THIS PRODUCT ARE DETAILED IN SECTION 1.2.
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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

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	NO DATA IS AVAILABLE ON THIS PRODUCT
Sodium Hydroxide	SHORT-TERM EXPOSURE LIMIT (15-MINUTES): WEL 2MG/M3

## 8.2 EXPOSURE CONTROLS



8.2.1 Appropriate engineering controls	NOT NORMALLY REQUIRED
8.2.2 Individual protection measures	ADOPT BEST MANUAL HANDLING CONSIDERATIONS WHEN HANDLING, CARRYING AND DISPENSING. USE APPROPRIATE CLOTHING.
Eye/face protection	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION
Skin protection	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION
Hand protection	CHEMICAL RESISTANT GLOVES (PLASTIC)
Skin protection – other	WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION
Respiratory protection	NOT NORMALLY REQUIRED
Thermal hazards	NO DATA IS AVAILABLE ON THIS PRODUCT
8.2.3 Environmental exposure controls	NOT NORMALLY REQUIRED
Occupational exposure controls	NOT NORMALLY REQUIRED. USE AS APPROPRIATE.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

State	LIQUID
Colour	PALE YELLOW/STRAW
Odour	CHARACTERISTIC
pH	11-12
Melting point	-2
Freezing point	-2
Boiling point	102
Flash point	NOT APPLICABLE
Evaporation rate	NOT APPLICABLE
Flammability limits	NOT APPLICABLE

Vapour flammability

NOT APPLICABLE

Vapour pressure

NOT APPLICABLE

Vapour density

NOT APPLICABLE



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Relative density	NOT RELEVANT
Fat solubility	NOT APPLICABLE
Partition coefficient	NOT APPLICABLE
Autoignition temperature	325
Explosive	NOT APPLICABLE
Oxidising	NOT APPLICABLE
Solubility	NOT APPLICABLE

## 9.2 OTHER INFORMATION

Conductivity	NOT APPLICABLE
Surface tension	NOT APPLICABLE
Gas group	NOT APPLICABLE
Benzene content	NOT APPLICABLE
Lead content	NOT APPLICABLE
VOC (volatile organic compounds)	NOT APPLICABLE

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

	ACIDS
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### 10.2 CHEMICAL STABILITY

	STABLE UNDER NORMAL CONDITIONS
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### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

	SEE SECTION 10.1, 10.4, 10.5
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### 10.4 CONDITIONS TO AVOID

	DO NOT ALLOW TO FREEZE
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### 10.5 INCOMPATIBLE MATERIALS

	STRONG ACIDS. ALUMINIUM, TI, ZINC AND THEIR ALLOYS
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### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

	CARBON DIOXIDE (CO <sub>2</sub> )
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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS



Acute toxicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
Skin corrosion/irritation	IRRITATING TO EYES AN SKIN
Serious eye damage/irritation	EYE IRRIT 2:H319- CAUSES SERIOUS EYE IRRITATION.
Respiratory or skin sensitisation	MAY CAUSE SENSITISATION BY SKIN CONTACT.
Germ cell mutagenicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
Carcinogenicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
Reproductive toxicity	NO DATA IS AVAILABLE ON THIS PRODUCT.
STOT-single exposure	NO DATA IS AVAILABLE ON THIS PRODUCT.
STOT-repeated exposure	NO DATA IS AVAILABLE ON THIS PRODUCT.
11.1.4 Toxicological Information	DERMAL RAT LD50: 200 MG/KG ORAL RAT LD50: 11700 MG/KG

**SECTION 12: ECOLOGICAL INFORMATION**

12.1 TOXICITY

Sodium Hydroxide	DAPHINA EC50/48H: 400.0000MG/L	FISH LC50/96: 33.000MG/L
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12.2 PERSISTENCE AND DEGRADABILITY

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12.3 BIOACCUMULATIVE POTENTIAL

	DOES NOT BIOACCUMULATION
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12.4 MOBILITY IN SOIL

	DO NOT LET PRODUCT CONTAMINATE SUBSOIL.
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12.5 RESULTS OF PBT AND vPvB ASSESSMENT

	THIS PRODUCT DOES NOT CONTAIN ANY SUBSTANCES CLASSIFIED AS PBT OR vPvB
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12.6 OTHER ADVERSE EFFECTS

	NO DATA IS AVAILABLE ON THIS PRODUCT.
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**SECTION 13: DISPOSAL CONSIDERATIONS**



## 13.1 WASTE TREATMENT METHODS

	<p>DISCHARGE USED SOLUTIONS TO DRAIN. SMALL AMOUNTS (LESS THAN 5 LITRES) OF UNWANTED PRODUCT MAY BE FLUSHED WITH WATER TO SEWER. LARGE VOLUMES MUST BE SENT FOR DISPOSAL AS SPECIAL WASTE. RINSE OUT EMPTY CONTAINER WITH WATER AND CONSIGN TO NORMAL WASTE.</p>
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### GENERAL INFORMATION

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### DISPOSAL METHODS

	<p>LOCAL AND NATIONAL REGULATIONS. THIS MATERIAL AND ITS CONTAINER MUST BE</p>
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	<p>DISPOSED OF IN A SAFE WAY.</p>
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### DISPOSAL OF PACKAGING

	<p>EMPTY CONTAINERS CAN BE CLEANED WITH WATER. EMPTY CONTAINERS CAN BE SENT FOR DISPOSAL OR RECYCLING.</p>
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## SECTION 14: TRANSPORT INFORMATION



### Hazard pictograms

#### 14.1. UN NUMBER

	<p>1824</p>
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#### 14.2. UN PROPER SHIPPING NAME

	<p>SODIUM HYDROXIDE, SOLUTION</p>
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#### 14.3. TRANSPORT HAZARD CLASS(ES)

ADR/RID	8 CORROSIVE SUBSTANCE
IMDG	8 CORROSIVE SUBSTANCE
ICAO	8 CORROSIVE SUBSTANCE

#### 14.4. PACKING GROUP

ADR/RID	11
IMDG	11
ICAO	11



## 14.5. ENVIRONMENTAL HAZARDS

Environmental hazard	No
Marine pollutant	No

## SECTION 15: REGULATORY INFORMATION

### 15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Regulations	<p>COMMISSION REGULATION (EU) No 453/2010 OF 20 MAY 2010 AMENDING REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL ON THE REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVE 91/155/EEC, 93/67/EEC, 93/105EC AND 2000/21/EC. REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 DECEMBER 2006 CONCERNING THE</p>
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	<p>REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) ESTABLISHING A EUROPEAN CHEMICAL AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) No 793/93 AND COMMISSION REGULATION (EC) No 1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC AND COMMISSION DIRECTIVES 91/155/EEC, 93/67/EEC AND 2000/21/EC</p>
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### 15.2 CHEMICAL SAFETY ASSESSMENT

	NO DATA IS AVAILABLE ON THIS PRODUCT
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## SECTION 16: OTHER INFORMATION

### OTHER INFORMATION

Text of risk phrases in Section 3	H314-CAUSES SEVERE SKIN BURNS AND EYE DAMAGE
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### GENERAL INFORMATION



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	THIS INFORMATION IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF AT THE DATE OF PUBLICATION HOWEVER NO GUARANTEE IS MADE TO ITS ACCURACY.
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## FURTHER INFORMATION

	The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product and the date of issue. No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness. CLEANUX CHEMICALS LTD WILL NOT BE RESPONSIBLE FOR ANY DAMAGE OR INJURY RESULTING FROM ANY INHERENT HAZARD OF THE MATERIAL, THE ABNORMAL USE OF THE MATERIAL OR FROM FAILURE TO ADHERE TO RECOMMENDATION.
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