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

1.1. Product identifier

DEGREASER CONCENTRATE
Bulk

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

Cleaners - Heavy duty

1.3. Details of the supplier of the safety data sheet

CRC Industries UK Ltd.
Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
Tel.: +44 1278 727200
Fax.: +44 1278 425644
E-mail : hse.uk@crcind.com

1.4. Emergency telephone number

(+44)(0)1278 72 7200 (office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Physical:	Not classified

Classification is based on test data.

Health:	Skin irritation, category 2 Causes skin irritation. Serious eye damage, category 1 Causes serious eye damage.

Classification based on calculation method.

Environment:	Not classified

Classification based on calculation method.

Other hazards :	Not classified

2.2. Label elements

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Labelling according to Regulation (EC) No 1272/2008

Hazard pictogram(s):

Signal word:	Danger
Hazard statement(s):	H315 : Causes skin irritation. H318 : Causes serious eye damage.
Precautionary statement(s):	P101 : If medical advice is needed, have product container or label at hand. P102 : Keep out of reach of children. P280 : Wear protective gloves/protective clothing/eye protection/face protection. P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 : Immediately call a POISON CENTER or doctor/physician. P501-2 : Dispose of contents/container to an authorised waste collection point.

Regulation (EC) No 648/2004 on detergents:

anionic surfactants 5 - 15 %

non-ionic surfactants 5 - 15 %

perfumes limonene

2.3. Other hazards

No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
(2-methoxymethylethoxy)propanol	01-2119450011-60	34590-94-8	252-104-2	10-30	-	-	A
Alcolhol C10, ethoxylated	-	26183-52-8	500-046-6	1-5	Acute Tox. 4, Eye Dam. 1	H302,H318	F,X
Alcolhol C10, ethoxylated	-	26183-52-8	500-046-6	1-5	Eye Irrit. 2	H319	F,X
sodium hydroxide; caustic soda	01-2119457892-27	1310-73-2	215-185-5	<3	Skin Corr. 1A	H314	B
sulphur dioxide	01-2119485028-34	7446-09-5	231-195-2	<1	Press. Gas, Acute Tox. 3, Skin Corr. 1B	H331,H314	B
sulphuric acid	01-2119458838-20	7664-93-9	231-639-5	<1	Skin Corr. 1A	H314	X

Explanation notes

A : substance with Community workplace exposure limit

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B : substance with national established workplace exposure limit
F : not registered due to polymer status (no longer polymer list - directive 92/32/EEC)
X : SCL (specific concentration limit)in accordance with art.10 of CLP Regulation No 1272/2008

(* Explanation phrases : see chapter 16)

SECTION 4: First aid measures

4.1. Description of first aid measures

Contact with eyes :	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.
Contact with skin :	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Inhalation :	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Ingestion :	If swallowed do not induce vomiting Seek medical advice

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

Inhalation :	May cause irritation. Symptoms : sore throat, cough
Ingestion :	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
Skin contact :	Irritating to skin. Symptoms : redness and pain
Eye contact :	Risk of serious damage to eyes. Symptoms : redness and pain, impaired vision

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

General Advice :	If you feel unwell, seek medical advice (show the label where possible If symptoms persist always call a doctor

SECTION 5: Firefighting measures

5.1. Extinguishing media

foam, carbon dioxide or dry agent

5.2. Special hazards arising from the substance or mixture

May give off noxious and toxic fumes in a fire

5.3. Advice for firefighters

Keep container(s) exposed to fire cool, by spraying with water

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In case of fire, do not breathe fumes
Wear breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.
Ensure adequate ventilation
Wear suitable protective clothing including eye/face protection.

6.2. Environmental precautions

Do not allow to enter public sewers and watercourses
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3. Methods and material for containment and cleaning up

Absorb spillage in suitable inert material

6.4. Reference to other sections

For further information see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not breathe aerosols or vapours.
Ensure adequate ventilation
Avoid contact with skin and eyes.
Wash thoroughly after use
Wear protective gloves/protective clothing/eye protection/face protection.
Eyewash bottles should be available

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed, in a cool, well ventilated place.
Keep out of reach of children.

7.3. Specific end use(s)

Cleaners - Heavy duty

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits :

Hazardous ingredient	CAS-nr.	method	
EU established exposure limits:			
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm
sulphur dioxide	7446-09-5	TWA	1.3 mg/m3
		STEL	2.7 mg/m3
National established exposure limits, United Kingdom			
sodium hydroxide; caustic soda	1310-73-2	STEL	2 mg/m3
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm
sulphuric acid	7664-93-9	TWA	0.05 mg/m3
National established exposure limits, Ireland			
sodium hydroxide; caustic soda	1310-73-2	TWA	-
		STEL	2 mg/m3
(2-methoxymethylethoxy)propanol	34590-94-8	TWA	50 ppm
		STEL	-
sulphur dioxide	7446-09-5	TWA	0.5 ppm
		STEL	1 ppm
sulphuric acid	7664-93-9	TWA	0.05 mg/m3
		STEL	-

8.2. Exposure controls

Control procedures :	Ensure adequate ventilation
Personal protection :	Take precautions to avoid contact with skin and eyes when handling the product.
	Ensure adequate ventilation
inhalation :	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equiped with ABEK type cartridge
hands and skin :	When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through.
Recommended gloves:	Nitrile
eyes :	Wear safety eyewear according to EN 166.
Environmental protection:	Avoid release to the environment.
	Collect spillage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Apperance : physical state :	Liquid.
colour :	Yellow.
odour :	Characteristic odor.
pH :	11.15
Boiling point/range :	100 °C
Flash point :	Not applicable.

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Explosion limits : upper limit :	Not available.
lower limit :	Not available.
Vapour pressure :	Not available.
Relative density :	1.025 g/cm3 (@ 20°C).
Solubility in water :	Soluble in water
Auto-ignition :	> 200 °C
Viscosity :	Not available.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions known if used for its intended purpose

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

In case of fire, do not breathe fumes
May give off noxious and toxic fumes in a fire

10.4. Conditions to avoid

heat

10.5. Incompatible materials

Strong oxidising agent

10.6. Hazardous decomposition products

CO,CO2

SECTION 11: Toxicological information

11.1. Information on toxicological effects

acute toxicity:	based on available data the classification criteria are not met
skin corrosion/irritation:	Causes skin irritation.
serious eye damage/irritation:	Causes serious eye damage.
respiratory or skin sensitisation:	based on available data the classification criteria are not met
germ cell mutagenicity:	based on available data the classification criteria are not met
carcinogenicity:	based on available data the classification criteria are not met
toxicity for reproduction:	based on available data the classification criteria are not met

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STOT-single exposure:	based on available data the classification criteria are not met
STOT repeated exposure:	based on available data the classification criteria are not met
aspiration hazard:	based on available data the classification criteria are not met

Information on likely routes of exposure:

Inhalation :	May cause irritation.
Ingestion :	May cause gastrointestinal disturbances
Skin contact :	Irritating to skin.
Eye contact :	Risk of serious damage to eyes.

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
Alcolhol C10, ethoxylated	26183-52-8	LD50 oral rat	1000 mg/kg
		LD50 derm.rat	> 2000 mg/kg
Alcolhol C10, ethoxylated	26183-52-8	LD50 oral rat	1000 mg/kg
		LD50 derm.rat	> 2000 mg/kg
(2-methoxymethylethoxy)propanol	34590-94-8	LD50 oral rat	> 5000 mg/kg
		LD50 derm.rabit	> 10000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Not classified

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
Alcolhol C10, ethoxylated	26183-52-8	IC50 algae	< 47 mg/l
		LC50 fish	< 7 mg/l
		EC50 daphnia	5.3 mg/l
Alcolhol C10, ethoxylated	26183-52-8	IC50 algae	< 47 mg/l
		LC50 fish	< 7 mg/l
		EC50 daphnia	5.3 mg/l
(2-methoxymethylethoxy)propanol	34590-94-8	IC50 algae	> 100 mg/l
		LC50 fish	> 10000 mg/l
		EC50 daphnia	> 100 mg/l

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

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12.4. Mobility in soil

Soluble in water

12.5. Results of PBT and vPvB assessment

No information available

12.6. Other adverse effects

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product :	This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.
Contaminated packaging :	Disposal should be in accordance with local, state or national legislation

SECTION 14: Transport information

14.1. UN number

UN-number :	Not classified as hazardous for transport

14.2. UN proper shipping name

Proper shipping name:	Not applicable.

14.3. Transport hazard class(es)

Class:	Not applicable.
Subsidiary risk:	Not applicable.
ADR/RID - Classification code:	Not applicable.

14.4. Packing group

Packing group:	Not applicable.

14.5. Environmental hazards

ADR/RID - Environmentally hazardous:	No
IMDG - Marine pollutant:	No
IATA/ICAO - Environmentally	No

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hazardous:

14.6. Special precautions for user

ADR/RID - Tunnelcode:	Not applicable.
IMDG - Ems:	Not applicable.
IATA/ICAO - PAX:	Not applicable.
IATA/ICAO - CAO	Not applicable.

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

Not applicable.

SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.
Regulation (EC) No 1907/2006 (REACH)
Regulation (EC) No 1272/2008 (CLP)

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements:	- : - H302 : Harmful if swallowed. H314 : Causes severe skin burns and eye damage. H318 : Causes serious eye damage. H319 : Causes serious eye irritation. H331 : Toxic if inhaled.
REVISIONS IN CHAPTRE :	Classification according to Regulation (EC) No 1272/2008 Labelling according to Regulation (EC) No 1272/2008
acronyms and synonyms:	TWA = time weight average STEL = short time exposure limit VOC = volatile organic compounds PBT = persistant bioaccumulative toxic vPvB = very persitant very bioaccumulative

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.
The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.
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