

Productname :	CITRUS CLEANER AND DEGREASER	Creationdate :	29.06.17 Version : 2.0
Ref.Nr.:	UDS000538_3_20170629 (EN)	Replaces:	UDS000538_20150723

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

CITRUS CLEANER AND DEGREASER
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.
Ambersil House - 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:**

Classification is based on test data.

Health:

Skin irritation, category 2
Causes skin irritation.
Skin sensitization, category 1
May cause an allergic skin reaction.
Serious eye damage, category 1
Causes serious eye damage.

Classification based on calculation method.

Environment:

Hazardous to the aquatic environment, chronic category 2
Toxic to aquatic life with long lasting effects.

Classification based on calculation method.

Other hazards :

Not classified

Productname :	CITRUS CLEANER AND DEGREASER	Creationdate :	29.06.17 Version : 2.0
Ref.Nr.:	UDS000538_3_20170629 (EN)	Replaces:	UDS000538_20150723

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

Product identifier:	Contains: d-limonene, (R)-p-mentha-1,8-diene alcohols, C9-11, ethoxylated Benzenesulfonic acid, mono-C10-14-alkyl derivs., sodium salts tetrasodium ethylenediaminetetraacetate
Hazard pictogram(s):	  
Signal word:	Danger
Hazard statement(s):	H315 : Causes skin irritation. H317 : May cause an allergic skin reaction. H318 : Causes serious eye damage. H411 : Toxic to aquatic life with long lasting effects.
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 %
EDTA and salts thereof	< 5 %
non-ionic surfactants	5 - 15 %

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
d-limonene, (R)-p-mentha-1,8-diene	01-2119529223-47	5989-27-5	227-813-5	5-10	Flam. Liq. 3, Asp. Tox. 1, Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1	H226,H304,H315,H317,H400,H410	
alcohols, C9-11, ethoxylated	01-2119980051-	68439-46-3	614-482-	5-10	Acute Tox. 4, Eye Dam. 1	H302,H312,H318	

Productname : CITRUS CLEANER AND
DEGREASER
Ref.Nr.: UDS000538_3_20170629 (EN)
Creationdate : 29.06.17 Version : 2.0
Replaces: UDS000538_20150723

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tetrasodium ethylenediaminetetraacetate	01-2119486762-27	64-02-8	200-573-9	1-5	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1	H315,H318,H302,H332	
Fatty acids, C16-18 and C18-unsatd.	-	67701-08-0	266-932-7	1-5	Skin Irrit. 2, Eye Irrit. 2	H315,H319	G
Benzenesulfonic acid, mono-C10-14-alkyl derivs., sodium salts	-	85117-50-6	285-600-2	1-5	Skin Irrit. 2, Eye Dam. 1	H315,H318	

Explanation notes

G : exempted from the obligation to register in accordance with art.2(7) of REACH Regulation No 1907/2006

(* 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
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

foam, carbon dioxide or dry agent

Productname :	CITRUS CLEANER AND DEGREASER	Creationdate :	29.06.17 Version : 2.0
Ref.Nr.:	UDS000538_3_20170629 (EN)	Replaces:	UDS000538_20150723

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
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)

Productname :	CITRUS CLEANER AND DEGREASER	Creationdate :	29.06.17 Version : 2.0
Ref.Nr.:	UDS000538_3_20170629 (EN)	Replaces:	UDS000538_20150723

Cleaners - Heavy duty

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits :

No information available

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 equipped 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 :	Citrus.
pH :	9.5
Boiling point/range :	94-194 °C
Flash point :	Not available.
Evaporation rate :	Not available.
Explosion limits : upper limit :	7.0 %
lower limit :	1.1 %
Vapour pressure :	Not available.
Relative density :	1.000 g/cm3.
Solubility in water :	Soluble in water
Auto-ignition :	Not available.
Viscosity :	Not available.

9.2. Other information

Productname :	CITRUS CLEANER AND DEGREASER	Creationdate :	29.06.17 Version : 2.0
Ref.Nr.:	UDS000538_3_20170629 (EN)	Replaces:	UDS000538_20150723

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:	May cause an allergic skin reaction.
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
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.

Productname : CITRUS CLEANER AND
DEGREASER
Ref.Nr.: UDS000538_3_20170629 (EN)
Creationdate : 29.06.17 Version : 2.0
Replaces: UDS000538_20150723

Toxicological data :

Hazardous ingredient	CAS-nr.	method	
Fatty acids, C16-18 and C18-unsatd.	67701-08-0	LD50 oral rat	> 2000 mg/kg
alcohols, C9-11, ethoxylated	68439-46-3	LD50 oral rat	1000-1400 mg/kg
		LD50 derm.rabit	>2000 mg/kg

SECTION 12: Ecological information**12.1. Toxicity**

Hazardous to the aquatic environment, chronic category 2
Toxic to aquatic life with long lasting effects.

Ecotoxicological data:

Hazardous ingredient	CAS-nr.	method	
alcohols, C9-11, ethoxylated	68439-46-3	LC50 fish	10-100 mg/l
		EC50 daphnia	5-25 mg/l

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

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.



Productname :	CITRUS CLEANER AND DEGREASER	Creationdate :	29.06.17 Version : 2.0
Ref.Nr.:	UDS000538_3_20170629 (EN)	Replaces:	UDS000538_20150723

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 : 3082

14.2. UN proper shipping name

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (d-limonene)

14.3. Transport hazard class(es)

Class: 9
ADR/RID - Classification code: M6

14.4. Packing group

Packing group: III

14.5. Environmental hazards

ADR/RID - Environmentally hazardous: Yes
IMDG - Marine pollutant: Marine pollutant
IATA/ICAO - Environmentally hazardous: Yes

14.6. Special precautions for user

ADR/RID - Tunnelcode: (E)
IMDG - Ems: F-A, S-F

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)

Productname :	CITRUS CLEANER AND DEGREASER	Creationdate :	29.06.17 Version : 2.0
Ref.Nr.:	UDS000538_3_20170629 (EN)	Replaces:	UDS000538_20150723

15.2. Chemical safety assessment

No information available

SECTION 16: Other information

*Explanation hazard statements: H226 : Flammable liquid and vapour.
H302 : Harmful if swallowed.
H304 : May be fatal if swallowed and enters airways.
H312 : Harmful in contact with skin.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.
H318 : Causes serious eye damage.
H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H400 : Very toxic to aquatic life.
H410 : Very toxic to aquatic life with long lasting effects.

REVISIONS IN CHAPTRE : 8.2. Exposure controls
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. Apart from any fair dealing for purposes of study, research and review of health, safety and environmental risks, no part of these documents may be reproduced by any process without written permission from CRC.