



## SAFETY DATA SHEET CITRA-BOOST

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

#### 1.1. Product identifier

**Product name** CITRA-BOOST

**Product number** B845

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

**Identified uses** Prochem Citra-Boost is an advanced technology blend of cleaning solvents and detergents formulated for use as a de-greasing additive for carpet and fabric cleaning solutions.

#### 1.3. Details of the supplier of the safety data sheet

**Supplier** Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH

Telephone: 020 8974 1515  
Fax: 020 8974 1511  
sales@prochem.co.uk

#### 1.4. Emergency telephone number

**Emergency telephone** 020 8974 1515 (office hours 8am to 5pm Monday to Friday) Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.

### SECTION 2: Hazards identification

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

##### Classification

**Physical hazards** Not Classified

**Health hazards** Eye Dam. 1 - H318 Skin Sens. 1 - H317 Asp. Tox. 1 - H304

**Environmental hazards** Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)** Xn;R65. Xi;R36. R43. R52/53,R66.

##### Human health

Causes serious eye damage. Prolonged or repeated exposure may cause the following adverse effects: Defatting, drying and cracking of skin. May cause sensitisation by skin contact. Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Vapours may cause drowsiness and dizziness. May be fatal if swallowed and enters airways. Ingestion may cause: systemic effects Nausea, vomiting. Diarrhoea. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

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**Environmental** Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Pictogram



**Signal word** Danger

**Hazard statements**  
 H304 May be fatal if swallowed and enters airways.  
 H317 May cause an allergic skin reaction.  
 H318 Causes serious eye damage.  
 H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**  
 P102 Keep out of reach of children.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
 P331 Do NOT induce vomiting.  
 P305+P351+P338 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/doctor.  
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
 P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

**Supplemental label information** EUH066 Repeated exposure may cause skin dryness or cracking.

**Contains** Hydrocarbons, C11-C12, isoalkanes, <2% aromatics, Alcohols, C7-21 ethoxylated, d-Limonene, Quaternary alkyl methyl amine ethoxylate methyl chloride

**Detergent labelling** 15 - < 30% aliphatic hydrocarbons, 5 - < 15% non-ionic surfactants, < 5% cationic surfactants, < 5% perfumes, Contains d-Limonene, Linalool, Citral

### 2.3. Other hazards

See section 8 for details of exposure limits.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Hydrocarbons, C11-C12, isoalkanes, &lt;2% aromatics</b>	<b>10-30%</b>
CAS number: 64741-65-7	EC number: 918-167-1
	REACH registration number: 01-2119472146-39-0001
<b>Classification</b> Flam. Liq. 3 - H226 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R65. R53,R66.

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<b>(2-Methoxymethylethoxy)propanol</b>		<b>10-30%</b>
CAS number: 34590-94-8                      EC number: 252-104-2		
Substance with a Community workplace exposure limit.		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Not Classified	-	
<b>Alcohols, C7-21 ethoxylated</b>		<b>1-5%</b>
CAS number: 68991-48-0		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi;R38,R41.	
Eye Dam. 1 - H318		
<b>d-Limonene</b>		<b>&lt;2.5%</b>
CAS number: 5989-27-5                      EC number: 227-813-5		
M factor (Acute) = 1                      M factor (Chronic) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 R43 Xi;R38 N;R50/53	
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Aquatic Acute 1 - H400		
Aquatic Chronic 1 - H410		
<b>Ethanol, 2,2'-iminobis-, n-[3-(branched decyloxy)propyl] derivs., n-oxides</b>		<b>1-5%</b>
CAS number: 68478-65-9                      EC number: 270-830-8		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Eye Irrit. 2 - H319	Xi;R36. R52.	
<b>Quaternary alkyl methyl amine ethoxylate methyl chloride</b>		<b>1-5%</b>
CAS number: 70750-47-9		
M factor (Acute) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R22. Xi;R38,R41. N;R50.	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### **Inhalation**

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Get medical attention.

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<b>Ingestion</b>	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Get medical attention.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention.

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

<b>Inhalation</b>	Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Central nervous system depression.
<b>Ingestion</b>	Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Lung oedema.

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

<b>Specific treatments</b>	If swallowed, seek medical advice immediately and show this container or label.
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## 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. Water spray, foam, dry powder or carbon dioxide. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Acids - organic. Nitrous gases (NOx).

### 5.3. Advice for firefighters

<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with the following materials: Liquid Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Absorb in vermiculite, dry sand or earth and place into containers. Do not use sawdust or other combustible material. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Wash area of spillage with plenty of water and detergent.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8. For waste disposal, see Section 13.
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## CITRA-BOOST

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions**                      Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

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

**Storage precautions**                      Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid heat, flames and other sources of ignition. Store in closed original container at temperatures between 5°C and 30°C. Protect against direct sunlight. Store away from the following materials: Strong acids. Strong alkalis. Oxidising materials.

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

**Specific end use(s)**                      The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

Long-term exposure limit (8-hour TWA): SUP 150 ppm 1000 mg/m<sup>3</sup>  
SUP = Supplier's recommendation.

##### (2-Methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m<sup>3</sup>  
Sk

WEL = Workplace Exposure Limit  
Sk = Can be absorbed through the skin.

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**                      Provide adequate ventilation.

**Eye/face protection**                      Side shield safety glasses are recommended when handling this product.

**Hand protection**                      Wear protective gloves. It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

**Hygiene measures**                      Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

**Respiratory protection**                      For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, a suitable respirator face mask is recommended.

### SECTION 9: Physical and Chemical Properties

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

**Appearance**                      Clear liquid.

## CITRA-BOOST

<b>Colour</b>	Yellow. Orange.
<b>Odour</b>	Citrus.
<b>pH</b>	Not applicable.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	58°C CC (Closed cup).
<b>Evaporation rate</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	0.9072
<b>Solubility(ies)</b>	Not determined.
<b>Partition coefficient</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Not applicable.

### 9.2. Other information

**Other information**                      None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity**                                      There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

**Stability**    Stable at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions**                      Not determined.

### 10.4. Conditions to avoid

**Conditions to avoid**                                      Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

### 10.5. Incompatible materials

**Materials to avoid**                                      Strong acids. Strong alkalis. Oxidising materials. Peroxides nitrous acid, nitrites and other nitrosating agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products**                      Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Acids - organic. Nitrogen oxide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

## CITRA-BOOST

<b>Toxicological effects</b>	Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. systemic effects Ingestion may cause: Nausea, vomiting. Gastrointestinal symptoms, including upset stomach. Aspiration hazard if swallowed. Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis. Lung oedema.
<b><u>Acute toxicity - oral</u></b>	
<b>ATE oral (mg/kg)</b>	26,666.66666667
<b><u>Skin corrosion/irritation</u></b>	
<b>Skin corrosion/irritation</b>	Prolonged or repeated exposure may cause the following adverse effects:.,Defatting, drying and cracking of skin.,May cause sensitisation by skin contact.
<b>Animal data</b>	Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis. Defatting, drying and cracking of skin. May cause sensitisation by skin contact.
<b><u>Serious eye damage/irritation</u></b>	
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b><u>Skin sensitisation</u></b>	
<b>Skin sensitisation</b>	Contains Limonene Linalool Citral May cause sensitisation by skin contact.
<b><u>Germ cell mutagenicity</u></b>	
<b>Genotoxicity - in vivo</b>	No effects expected based upon current data.
<b><u>Carcinogenicity</u></b>	
<b>Carcinogenicity</b>	No effects expected based upon current data.
<b><u>Reproductive toxicity</u></b>	
<b>Reproductive toxicity - fertility</b>	No effects expected based upon current data.

### Toxicological information on ingredients.

#### Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rat

**ATE oral (mg/kg)** 5,000.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub> mg/kg)** 5,000.0

**Species** Rabbit

**ATE dermal (mg/kg)** 5,000.0

#### (2-Methoxymethylethoxy)propanol

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub> mg/kg)** 5,135

**Species** Rat

##### Acute toxicity - dermal

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**Acute toxicity dermal (LD<sub>50</sub>)** 20  
mg/kg)

**Species** Rabbit

### SECTION 12: Ecological Information

#### 12.1. Toxicity

##### Ecological information on ingredients.

##### (2-Methoxymethylethoxy)propanol

<b>Acute toxicity - fish</b>	LC <sub>50</sub> , 96 hours: >10000 mg/l, Fish
<b>Acute toxicity - aquatic invertebrates</b>	EC <sub>50</sub> , 48 hours: 1919 mg/l, Daphnia magna
<b>Acute toxicity - aquatic plants</b>	IC <sub>50</sub> , 72 hours: >969 mg/l, Algae

#### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

##### Ecological information on ingredients.

##### (2-Methoxymethylethoxy)propanol

**Chemical oxygen demand** 2.02

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product contains potentially bioaccumulating substances.

**Partition coefficient** Not determined.

##### Ecological information on ingredients.

##### (2-Methoxymethylethoxy)propanol

**Partition coefficient** : -0.35

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

#### 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



## CITRA-BOOST

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

### SECTION 14: Transport information

#### 14.1. UN number

Not classified for transportation.

#### 14.2. UN proper shipping name

None.

#### 14.3. Transport hazard class(es)

**ADR/RID class** -

**IMDG class** -

#### 14.4. Packing group

None.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

None.

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 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

**National regulations** The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).  
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**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 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).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Revision comments** NOTE: Lines within the margin indicate significant changes from the previous revision.

**Revision date** 12/05/2015

**Revision** 4

## CITRA-BOOST

<b>Supersedes date</b>	21/01/2015
<b>Risk phrases in full</b>	R10 Flammable. R22 Harmful if swallowed. R36 Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R52 Harmful to aquatic organisms. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R53 May cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking.
<b>Hazard statements in full</b>	H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. H413 May cause long lasting harmful effects to aquatic life.

For additional information on safety, training and use of this product, contact the supplier. This product is intended for professional use only. The information given is intended to be of assistance to users but is without guarantee. Variations can occur in application and users are advised to conduct their own tests. Suggestions for use neither give nor imply any guarantee as to the intended use.