



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

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

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(2-Methoxymethylethoxy)propanol		10-30%
CAS number: 34590-94-8 EC number: 252-104-2		
Substance with a Community workplace exposure limit.		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Not Classified	-	
Alcohols, C7-21 ethoxylated		1-5%
CAS number: 68991-48-0		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315	Xi;R38,R41.	
Eye Dam. 1 - H318		
d-Limonene		<2.5%
CAS number: 5989-27-5 EC number: 227-813-5		
M factor (Acute) = 1 M factor (Chronic) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)	
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		
Ethanol, 2,2'-iminobis-, n-[3-(branched decyloxy)propyl] derivs., n-oxides		1-5%
CAS number: 68478-65-9 EC number: 270-830-8		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319	Xi;R36. R52.	
Quaternary alkyl methyl amine ethoxylate methyl chloride		1-5%
CAS number: 70750-47-9		
M factor (Acute) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)	
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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Ingestion	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Get medical attention.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	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

Inhalation	Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Central nervous system depression.
Ingestion	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

Specific treatments	If swallowed, seek medical advice immediately and show this container or label.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	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

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

5.3. Advice for firefighters

Special protective equipment for firefighters	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

Personal precautions	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

Environmental precautions	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

Methods for cleaning up	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

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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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/m³
SUP = Supplier's recommendation.

(2-Methoxymethylethoxy)propanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³
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.

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

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Toxicological effects	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.
<u>Acute toxicity - oral</u>	
ATE oral (mg/kg)	26,666.66666667
<u>Skin corrosion/irritation</u>	
Skin corrosion/irritation	Prolonged or repeated exposure may cause the following adverse effects:.,Defatting, drying and cracking of skin.,May cause sensitisation by skin contact.
Animal data	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.
<u>Serious eye damage/irritation</u>	
Serious eye damage/irritation	Causes serious eye damage.
<u>Skin sensitisation</u>	
Skin sensitisation	Contains Limonene Linalool Citral May cause sensitisation by skin contact.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vivo	No effects expected based upon current data.
<u>Carcinogenicity</u>	
Carcinogenicity	No effects expected based upon current data.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	No effects expected based upon current data.

Toxicological information on ingredients.

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

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	5,000.0
Species	Rat
ATE oral (mg/kg)	5,000.0
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	5,000.0
Species	Rabbit
ATE dermal (mg/kg)	5,000.0

(2-Methoxymethylethoxy)propanol

<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	5,135
Species	Rat
<u>Acute toxicity - dermal</u>	

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Acute toxicity dermal (LD₅₀) 20
mg/kg)

Species Rabbit

SECTION 12: Ecological Information

12.1. Toxicity

Ecological information on ingredients.

(2-Methoxymethylethoxy)propanol

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

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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

Supersedes date	21/01/2015
Risk phrases in full	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.
Hazard statements in full	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.