



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 No. 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
www.prochem.co.uk
sales@prochem.co.uk

1.4. Emergency telephone number

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 (1999/45/EEC) Xn;R65. Xi;R36. R43. R52/53, R66.

Human health

Irritating to eyes. Prolonged or repeated exposure may cause: skin irritation and dermatitis. May cause sensitisation by skin contact. Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Vapours may cause drowsiness and dizziness. May be harmful or fatal if aspirated into lungs. Ingestion may cause: Systemic Effects Nausea, vomiting. Diarrhoea. Risk of chemical pneumonia after aspiration.

Environment

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

2.2. Label elements

Contains HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS
d-LIMONENE

Labelling



Harmful

Risk Phrases

R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.

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Safety Phrases	R66	Repeated exposure may cause skin dryness or cracking.
	S2	Keep out of the reach of children.
	S24/25	Avoid contact with skin and eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	S37	Wear suitable gloves.
	S62	If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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	15-30%
CAS-No.: 64741-65-7 EC No.: 918-167-1 Registration Number: 01-2119472146-39-0001	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 EUH066 Asp. Tox. 1 - H304 Aquatic Chronic 4 - H413	Classification (67/548/EEC) Xn;R65. R53,R66.
(2-METHOXYMETHYLETHOXY)PROPANOL	15-30%
CAS-No.: 34590-94-8 EC No.: 252-104-2	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.
ALCOHOLS, C7-21 ETHOXYLATED	<5%
CAS-No.: 68991-48-0 EC No.:	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R38,R41.
d-LIMONENE	<2.5%
CAS-No.: 5989-27-5 EC No.: 227-813-5	
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) R10 R43 Xi;R38 N;R50/53

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ETHANOL, 2,2'-IMINOBIS-, N-[3-(BRANCHED DECYLOXY)PROPYL] DERIVS., N-OXIDES		1-5%
CAS-No.: 68478-65-9	EC No.: 270-830-8	
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36. R52.	

QUATERNARY ALKYL METHYL AMINE ETHOXYLATE METHYL CHLORIDE		<5%
CAS-No.:	EC No.:	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400	Classification (67/548/EEC) Xn;R22. Xi;R38,R41. N;R50.	

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 the exposed person to fresh air at once. Provide rest, warmth and fresh air. For breathing difficulties oxygen may be necessary. Get medical attention.

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

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. 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

Risk of chemical pneumonia after aspiration. Lung oedema.

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

If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials. Use: Water spray, foam, dry powder or carbon dioxide. Water spray should be used to cool containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Acids - organic. Nitrous gases (NOx).

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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6.1. Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with: Liquid Provide adequate ventilation. If ventilation is insufficient, suitable respiratory protection must be provided.

6.2. Environmental precautions

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Absorb in vermiculite, dry sand or earth and place into containers. Do not use sawdust or other combustible material. Dispose of waste and residues in accordance with local authority requirements. Wash area of spillage with plenty of water and detergent.

6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using the product. Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

7.2. Conditions for safe storage, including any incompatibilities

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: Strong acids. Strong alkalis. Oxidising materials.

7.3. 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

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
(2-METHOXYMETHYLETHOXY)PROPANOL	WEL	50 ppm	308 mg/m ³			Sk
HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS	SUP	150 ppm	1000 mg/m ³			SUP = Supplier's recommendation.

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through skin.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation.

Respiratory equipment

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.

Hand protection

Wear protective gloves. Nitrile gloves are recommended. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Eye protection

Side shield safety glasses are recommended when handling this product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Yellow. Orange.
Odour	Citrus
Solubility	Not determined.
Initial boiling point and boiling range (°C)	
	Not determined.
Relative density	0.9072
Vapour density (air=1)	
	Not determined.
Vapour pressure	
	Not determined.
Evaporation rate	
	Not determined.
pH-Value, Conc. Solution	
	Not applicable.
pH-Value, Diluted Solution	
	Not applicable.
Viscosity	
	Not determined.
Flash point (°C)	58°C P/M Pensky-Martens. Does not sustain combustion.

Flammability Limit - Lower(%)

Not applicable.

**Partition Coefficient
(N-Octanol/Water)**

Not determined.

Explosive properties

Not applicable.

Oxidising properties

Not applicable.

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Not determined.

10.4. 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

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Acids - organic. Nitrogen oxide.

SECTION 11: TOXICOLOGICAL INFORMATION

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11.1. Information on toxicological effects

Acute toxicity:

Deliberate excessive inhalation may cause headache, dizziness and breathing irritation. Systemic Effects Ingestion may cause: Nausea, vomiting. Gastrointestinal symptoms, including upset stomach. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Lung oedema.

Skin Corrosion/Irritation:

Prolonged or repeated exposure may cause: skin irritation and dermatitis. Defatting, drying and cracking of skin. May cause sensitisation by skin contact.

Serious eye damage/irritation:

Irritating to eyes.

Respiratory or skin sensitisation:

Contains Limonene Linalool Citral May cause sensitisation by skin contact.

Germ cell mutagenicity:

No effects expected based upon current data.

Carcinogenicity:

No effects expected based upon current data.

Reproductive Toxicity:

No effects expected based upon current data.

Toxicological information on ingredients.

HYDROCARBONS, C11-C12, ISOALKANES, <2% AROMATICS (CAS: 64741-65-7)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 5000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 5000 mg/kg Rabbit

(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

Acute toxicity:

Acute Toxicity (Oral LD50)

5135 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 20 mg/kg Rabbit

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecological information on ingredients.

(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

LC 50, 96 Hrs, Fish mg/l

>10000

EC 50, 48 Hrs, Daphnia, mg/l

1919

IC 50, 72 Hrs, Algae, mg/l

>969

12.2. Persistence and degradability

Degradability

The surfactant(s) contained in this preparation 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.

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Ecological information on ingredients.

(2-METHOXYMETHYLETHOXY)PROPANOL (CAS: 34590-94-8)

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 (CAS: 34590-94-8)

Partition coefficient

-0.35

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. 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/ADN 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

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Not applicable.

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

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), establishing a European Chemicals 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, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

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	21/01/2015
Revision	3
Supersedes date	31/03/2014
Signature	Aaron Saunders

Risk Phrases In Full

R10	Flammable.
R22	Harmful if swallowed.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52	Harmful to aquatic organisms.
R65	Harmful: may cause lung damage if swallowed.
R36	Irritating to eyes.
R38	Irritating to skin.
R53	May cause long-term adverse effects in the aquatic environment.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R41	Risk of serious damage to eyes.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50	Very toxic to aquatic organisms.

Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H413	May cause long lasting harmful effects to aquatic life.
EUH066	Repeated exposure may cause skin dryness or cracking.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

Disclaimer

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.