

**B845****CITRA-BOOST****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier:** CITRA-BOOST **Product Code:** B845**1.2. Relevant identified uses of the substance or mixture and uses advised against:**

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.

CAUTION: Always pre-test carpets and fabrics for colour fastness and texture change with ready-to-use solutions before proceeding. Do not overuse Citra-Boost which may affect some carpet backings and pump seals after prolonged contact. Use only at recommended concentrations.

Carpet and fabric pre-spray additive: Add 10 to 15ml Citra-Boost per litre of ready-to-use pre-spray solution.

Power Injection Sprayer: Add 30ml Citra-Boost per litre of solution concentrate.

Portable Extractors: Add 5ml Citra-Boost per 10 litres of ready-to-use extraction solution. Do not overuse.

Truck Mounts: Add 50 to 100ml Citra-Boost per 10 litres of truck mount solution concentrate. Meter at 2 to 4 GPH

Carpet rotary shampoo additive: Add 5 to 10ml Citra-Boost per litre of ready-to-use shampoo solution.

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

Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No (office hours 8am to 5pm, Monday to Friday only):

020 8974 1515 (UK) +44 20 8974 1515 (EC) Chemical Product Manager E, H & S

Website: www.prochem.co.uk Email: sales@prochem.co.uk

1.4. Emergency telephone number:

020 8974 1515 (UK) +44 20 8974 1515 (office hours 8am to 5pm, Monday to Friday only).

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/EC): Xn R65, R36, R66, R52/53.

Please see section 16 where the full text of each hazard statement and risk phrase is given.

Most important adverse effects:

Eye Contact: Contact with liquid may cause eye irritation.

Skin Contact: Prolonged or repeated contact will dry the skin and cause irritation and possible dermatitis.

Inhalation: Excessive exposure above recommended level may cause headache and breathing irritation. May be harmful or fatal if aspirated into lungs.

Ingestion: Low oral toxicity. May be harmful or fatal if swallowed and aspirated into lungs.

Environment: Low hazard to animal and aquatic life. See Ecological Information for further details.

2.2. Label elements:**HARMFUL**

R36 Irritating to Eyes.

R52/53 Harmful to aquatic organisms, 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.

For professional and industrial use only.

Keep out of the reach of children.

Avoid contact with skin and eyes.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves.

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:**

SUBSTANCE	RISK (See Section 16)	H Statements (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	Xn R65 R66 R53	Flam Liq. 3 H226 Asp Tox 1 H304 EUH066 Aquatic Chronic 4 H413	265-067-2	64741-65-7	30 to 60%
Alcohols, C7-21 ethoxylated (2-methoxymethylethoxy)propanol	Xi R41 R38 None (community workplace exposure limit)	Not currently available	None 252-104-2	68991-48-0 34590-94-8	1 to 10% 1 to 5%

Orange terpenes (containing Limonene)	R10 Xn R65 R38 N R50/53	Not currently available	232-433-8	8028-48-6	1 to 5%
Ethanol, 2,2'-iminobis-, N-[3-(branched decyloxy)propyl] derivs., N-oxides	Xi R36 R52		270-830-8	68478-65-9	1 to 5%
Quaternary alkyl methyl amine ethoxylate methyl chloride	Xn R22 Xi R38 R41 N R50		None	61791-10-4	0.5 to 2%
D-limonene	R10 Xi R38 R43 N R50/53	Flam Liq 3 H226 Skin Irrit 2 H315 Skin Sens 1 H317 Aquatic Chronic 1 H410	227-813-5	5989-27-5	0.1 to 1%

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

Eye Contact: Flush immediately with water for 15 minutes holding eyelids apart, then seek medical attention.

Skin Contact: Wash skin with soap and water. Use shower if necessary. Seek medical attention if irritation persists.

Inhalation: Remove from exposure. Keep warm and at rest. If breathing is difficult, obtain immediate medical assistance and give oxygen.

Ingestion: If swallowed, **DO NOT INDUCE VOMITING** unless directed to do so by medical personnel. Seek medical advice immediately and show the container or label.

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

Ingestion or excessive exposure to vapour may cause central nervous depression. Chemical pneumonia and pulmonary oedema if quantities are aspirated into lungs.

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

Seek immediate medical attention if swallowed.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing Media:

Product is not classified as flammable. Use water, carbon dioxide, dry powder extinguisher, foam, or water spray to keep containers cool.

5.2. Special hazards arising from the substance or mixture:

Flash point >85°C. No explosive hazard known.

Exposure to fire may liberate carbon dioxide, carbon monoxide, nitrogen oxide, organic acids and other unidentified thermal decomposition products from this product or its packaging.

5.3. Advice for firefighters:

Self contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective clothing as described in section 8 of this sds. Avoid contact with liquid. Ventilate area. Under severe conditions use respiratory protection or breathing apparatus.

6.2. Environmental precautions:

Prevent liquid from entering drains or water courses. Advise water authority if large amount of solvent enters drain or water course.

6.3. Methods and material for containment and cleaning up:

Contain and absorb with sand, earth or vermiculite. Do not use combustible materials such as sawdust. Transfer to suitable container for disposal by licensed contractor at legal waste disposal site. Wash area of spillage with plenty of water and detergent.

6.4. Reference to other sections:

See sections 8 and 13 for further information.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Wear solvent resistant nitrile gloves and safety glasses when handling liquid. Ensure adequate ventilation and do not breathe vapour. Wash hands and clothing after use or spill. Do not eat or drink when handling solvent. **DO NOT SMOKE IN WORK AREA.**

7.2. Conditions for safe storage, including any incompatibilities:

Avoid extremes of temperature. Store in a cool dry ventilated area away from any source of heat, ignition, static electricity or direct sunlight. Maximum recommended storage temperature is 30°C. Keep away from strong acids, alkalis and oxidising

agents. Keep out of the reach of children. Keep in original container.

7.3. Specific end use(s):

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.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters:

(2-methoxymethylethoxy)propanol (IOELV) WEL-LTEL 50ppm (308mg/m³) (Sk).

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics: suggested WEL-LTEL 150ppm.

8.2. Exposure controls:

Eye/Face Protection: Side shield safety glasses or goggles are recommended when handling.

Skin Protection: Standard work clothing and solvent resistant nitrile gloves. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Respiratory Protection: For situations where recommended exposure limits may be exceeded an approved organic solvent twin cartridge face mask should be used.

Ventilation: Ensure good air circulation and ventilation in enclosed areas. Use forced air fans if necessary.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Appearance: Low foam yellow orange clear liquid.

Odour: Citrus

Odour Threshold: Not determined

pH Concentrate: Not applicable **pH Diluted:** Not applicable

Melting point/freezing point °C: Not determined.

Initial boiling point and boiling range °C: Not determined.

Flash Point °C: >85 **Method:** Penskey Martens Closed Cup

Evaporation Rate: Not determined.

Flammability (solid, gas): Not flammable.

Upper/lower flammability or explosive limits: Not determined.

Vapour Pressure: Not determined.

Vapour Density: Not determined.

Relative Density (Water = 1): 0.853

Solubility(ies): Not determined

Partition Coefficient (N-octanol / Water): Not determined

Auto-ignition temperature: Not determined

Decomposition temperature: Not determined

Viscosity: Not determined

Explosive Properties: Not applicable

Oxidising Properties: Not applicable

% Active: 100

% Solids: Not applicable

9.2. Other Information:

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Stable under normal conditions.

10.2. Chemical stability:

Stable

10.3. Possibility of hazardous reactions:

Not determined.

10.4. Conditions to Avoid:

Extremes of temperature, direct sunlight.

10.5. Incompatible materials:

Strong acids and alkalis, oxidising agents, peroxides, nitrous acid, nitrites and other nitrosating agents.

10.6. Hazardous Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids and other unidentified thermal decomposition products from this product or its packaging.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects:

LD50 >3500mg/kg (oral-rat)

[(2-methoxymethylethoxy)propanol]

LD50 20mg/l (dermal-rabbit) [(2-methoxymethylethoxy)propanol]

LC50 7h >500ppm (inhalation-rat)

[(2-methoxymethylethoxy)propanol]

LD50 >5000mg/kg (oral-rat) (hydrocarbons, C11-C12, isoalkanes, <2% aromatics)

LD50 >5000mg/kg (dermal-rabbit) (hydrocarbons, C11-C12, isoalkanes, <2% aromatics)

Excessive exposure to vapour may cause respiratory irritation, nausea and central nervous depression.

Low oral toxicity. Large amounts may cause irritation of digestive tracts, vomiting and diarrhoea followed by central nervous system effects. Chemical pneumonia and pulmonary oedema if quantities are aspirated into lungs.

Irritation:

Contact with liquid may cause eye irritation.

Prolonged exposure to skin will cause defatting and may produce a dry, scaly and fissured dermatitis.

Corrosivity: Not corrosive.

Sensitisation: This product contains limonene, linalool, citral.

Repeated Dose Toxicity: Not established

Carcinogenicity: No effects expected based upon current data.

Mutagenicity: No effects expected based upon current data.

Toxicity for reproduction: No effects expected based upon current data.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

EC50 48h 1919mg/l (daphnia) [(2-methoxymethylethoxy)propanol]

LC50 96h >10000mg/l (goldfish)

[(2-methoxymethylethoxy)propanol]

EC50 96h >969mg/l (green algae)

[(2-methoxymethylethoxy)propanol]

12.2. Persistence and Degradability:

The surfactant(s) contained in this preparation 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. The major packaging materials of polyethylene and fibreboard are recyclable.

12.3. Bioaccumulative Potential:

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics has potential to bioaccumulate.

12.4. Mobility in soil:

Soluble in water.

12.5. Results of PBT and vPvB assessment:

Report not required.

12.6. Other adverse effects:

None known or no relevant data available for substances in this preparation.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Cleaning waste effluent should be disposed of in accordance with regional and national requirements. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site. Contact local Environment Agency office for waste holder requirements.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number: None

14.2. UN Proper Shipping Name: None

14.3. Transport hazard class(es):

Road (ADR): None

Sea (IMDG): None

Rail (RID): None

14.4. Packing Group: None

14.5. Environmental hazards: None

14.6. Special precautions for user: No special precautions required other than those previously mentioned in this safety data sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not intended to be carried as bulk.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental

regulations/legislation specific for the substance or mixture:

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), **REGULATION (EC) No 1272/2008 on CLASSIFICATION, LABELLING and PACKAGING of substances and mixtures**, the **REGISTRATION, EVALUATION, AUTHORISATION AND RESTRICTION OF CHEMICALS (REACH) REGULATIONS** (as amended), the **CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS (COSHH) 2002** (as amended) **REGULATION (EC) NO. 648/2004 ON DETERGENTS** (as amended) and the **MANAGEMENT OF HEALTH AND SAFETY AT WORK REGULATIONS 1999** (as amended). This safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety regulations.

15.2. Chemical safety assessment

Not currently available.

SECTION 16: OTHER INFORMATION

Full text of Risk phrases referred to in Section 2 and 3:

R10 Flammable. R22 Harmful if swallowed. R36 Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitization by skin contact. R50 Very toxic to aquatic organisms. R52 Harmful to aquatic organisms. 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.

Full text of Hazard Statements referred to in Section 2 and 3:

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

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.

Revisions: Replaces SDS B845 Issue / Revision Date 04/01/11
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