

**B845****CITRA-BOOST****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Name:** CITRA-BOOST**Product Code:** B845**Manufacturer:** 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

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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.**Product Description & Directions For Use:**

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. B845 per litre of ready-to-use pre-spray solution.**Power Injection Sprayer:** Add 30ml. B845 per litre of solution concentrate.**Portable Extractors:** Add 5ml. B845 per 10 litres of ready-to-use extraction solution. Do not overuse.**Truck Mounts:** Add 50 to 100ml. B845 per 10 litres of truck mount solution concentrate. Meter at 2 to 4GPH**Carpet rotary shampoo additive:** Add 5 to 10ml. B845 per litre of ready-to-use shampoo solution.**SECTION 2: HAZARDS IDENTIFICATION****Classification:** Harmful: May cause lung damage if swallowed. Irritating to eyes. Repeated exposure may cause skin dryness and cracking. Harmful to aquatic organisms, may cause long-term effects in the aquatic environment.**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.**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.**SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Naphtha (petroleum) heavy alkylate	Xn R65 R66 R53	265-067-2	64741-65-7	More than 30%
Alcohols, C7-21 ethoxylated	Xi R41 R38	None	68991-48-0	15 to 30%
(2-methoxymethylethoxy)propanol	None	252-104-2	34590-94-8	Less than 5%
Orange terpenes (containing Limonene)	R10 Xn R65 R38 N R50/53	232-433-8	8028-48-6	Less than 5%
Bis-(2-hydroxyethyl)	Xi R36/38	270-830-8	68478-65-9	Less than 5%
Isodecylxypropylamine Oxide				
Tetra-alkyl ammonium chloride	Xi R41 R38	None	61791-10-4	Less than 5%
Fragrance (IFRA certified)	Xn R65 Xi R38 R43 N R50/53	None	None	Less than 5%
D-limonene	R10 Xi R38 R43 N R50/53	227-813-5	5989-27-5	Less than 1%

SECTION 4: 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.**SECTION 5: FIRE FIGHTING MEASURES****Extinguishing Media:** Product is not classified as flammable. Use water, carbon dioxide, dry powder extinguisher, foam, or water spray to keep containers cool.**Fire/Explosion Hazards:** Flash point 76°C. No explosive hazard known.**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.**Special Protective Equipment:** Self contained breathing apparatus and full protective clothing.**SECTION 6: ACCIDENTAL RELEASE MEASURES****Personal Protection:** Avoid contact with liquid. Ventilate area. Wear protective clothing, solvent resistant rubber gloves,

chemical splash goggles. Under severe conditions use respiratory protection or breathing apparatus.

Containment and Disposal: Prevent liquid from entering drains or water courses. Advise water authority if large amount of solvent enters drain or water course. 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.**SECTION 7: HANDLING AND STORAGE****Handling Precautions:** Wear solvent resistant rubber gloves and safety glasses when handling liquid. Ensure adequate ventilation and do not breathe vapour.**Storage Precautions:** 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.**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Limits:** (2-methoxymethylethoxy)propanol (IOELV) WEL-LTEL 50ppm (308mg/m³) (Sk).
Naphtha (petroleum) heavy alkylate: suggested WEL-LTEL 150ppm.

Environmental Controls: For additional guidance, contact ENVIROWISE at www.envirowise.gov.uk or telephone 0800 585794

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

Protective Clothing: Standard work clothing and solvent resistant rubber 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.

Hygiene: Wash hands and clothing after use or spill. Do not eat or drink when handling solvent. DO NOT SMOKE IN WORK AREA.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour/State: Low foam yellow orange clear liquid

Odour: Citrus

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

Boiling Point / Range °C: Not determined.

Flash Point °C: 76 **Method:** PM Closed Cup

Flammability Limit %: Not determined

Explosive Properties: Not determined

Oxidising Properties: Not applicable

Vapour Pressure: Not determined

Relative Density (Water = 1): 0.853 **Solubility:** Not determined

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

Viscosity: Not determined

Vapour Density: Not determined

Evaporation Rate: Not determined

% Active: 100

% Solids: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extremes of temperature, direct sunlight.

Incompatibility (Materials to Avoid): Strong acids and oxidising agents.

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

Eye Contact: Liquid may cause eye irritation.

Skin Contact: Prolonged exposure will cause defatting and may produce a dry, scaly and fissured dermatitis.

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

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

Acute and Chronic Effects:

Acute Toxicity: 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 >2000mg/kg (oral-rat) (naphtha (petroleum) heavy alkylate)

LD50 >2000mg/kg (dermal-rat) (naphtha (petroleum) heavy alkylate)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: This product contains limonene, linalool, citral.

Repeated Dose Toxicity: Not established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Low aquatic and mammalian 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]

Mobility: Soluble in water.

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.

Bioaccumulative Potential: Naphtha (petroleum) heavy alkylate has potential to bioaccumulate.

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

SECTION 13: DISPOSAL CONSIDERATIONS

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

UN No: None

Classification: Not classified as hazardous for transport.

Proper Shipping Name: None

Packing Group: None

Road (ADR): None

Sea (IMDG): None

Air (ICAO / IATA): None

Rail (RID): None

SECTION 15: REGULATORY INFORMATION

Classification: Xn HARMFUL

Risk Phrases

R36 Irritating to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term damage in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness and cracking.

Safety Phrases

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.

The information given has been compiled with reference to the **CHEMICALS (HAZARD INFORMATION AND PACKAGING FOR SUPPLY) REGULATIONS (CHIP 4) 2009** (as amended), 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.

SECTION 16: OTHER INFORMATION

Risk Phrases: R10 Flammable 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. 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.

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 31/10/08 Revised Sections: 1, 3, 8, 11, 12, 15.