

**B143****DRY CLEANING DETERGENT ADDITIVE****SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY****Product Name:** DRY CLEANING DETERGENT ADDITIVE **Product Code:** B143**Manufacturer:** Prochem Europe Ltd., Oakcroft Road, Chessington, Surrey KT9 1RH, UK. Telephone No: 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**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:**

A concentrated additive of solvent soluble detergents, wetting agents and deodorisers designed to improve the cleaning of fabrics during dry cleaning procedures. B143 helps to remove water soluble soils which are not normally removed by dry cleaning solvents.

Always refer to Safety Data Sheet before use. Curtain and fabric dry cleaning: Add 50ml B143 per 5 litres of B140 Dri Pro. Shake well to mix. Do not add more than the recommended amount. Apply according to B140 label directions. Ensure adequate ventilation, no smoking and prohibit people and pets from the cleaning area. Wear solvent resistant gloves, safety glasses and an approved organic solvent cartridge respirator when applying this product.

CAUTION: B143 contains a moisture charge which may affect water sensitive fabrics. Always pre-test fabrics for colour fastness and texture change before proceeding.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Aliphatic hydrocarbon	Xn R65 R66 R53	265-067-2	64741-65-7	More than 30%
Anionic surfactant	R10 Xi R41 R38	209-406-4	577-11-7	5 to 15%
Ethanol	F R11	200-578-6	64-17-5	Less than 5%
Perfume (IFRA certified)	Xn R65 Xi R38 R43 N R51/53	None	None	Less than 1%
Perfume (IFRA certified)	R10 Xn R65 Xi R36/38 R43 N R51/53	None	None	Less than 1%
Limonene	-	-	-	Less than 0.1%
Citral	-	-	-	Less than 0.1%
Linalool	-	-	-	Less than 0.1%
Cinnamal	-	-	-	Less than 0.1%
Geraniol	-	-	-	Less than 0.1%

SECTION 3: HAZARDS IDENTIFICATION

Classification: Risk of serious damage to eyes. May cause long-term adverse effects in the aquatic environment. Harmful: May cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

Eye Contact: Contact with liquid or high concentrations of vapour may cause significant eye irritation and possible damage.

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 or aspirated into the lungs.

Environment: Not inherently biodegradable. May bioaccumulate. May cause long-term adverse effects in the aquatic environment.

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 and move to fresh air at once. Keep warm and at rest. If breathing is difficult, obtain immediate medical assistance and give oxygen. Perform artificial respiration if breathing has stopped.

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 flammable. Use water carbon dioxide, dry powder extinguisher, or water spray to keep containers cool.

Fire/Explosion Hazards: Vapours heavier than air. Flash point 60°C. Explosive limits for hydrocarbon in air 0.6% - 6% v/v

Decomposition Products: Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids and 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 and remove all sources of ignition. Wear protective clothing, nitrile butyl 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 vermiculate. 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 eliminate all ignition sources - no smoking. Always wear an approved organic solvent cartridge mask when applying this product.

Storage Precautions: 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 reach of children. Keep in original container.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Recommended Workplace exposure limit OEL-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 or during spray application.

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

Respiratory Protection: For situations where recommended exposure limits may be exceeded or where there is a risk of inhalation of fine spray mists, an approved organic solvent twin cartridge face mask with appropriate filter (e.g. 3M 6000 Series half-mask respirator) should be used.

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

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Colour/State: Clear colourless liquid solvent.

Odour: Lemon floral

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

Boiling Point / Range °C: 187 to 213 @ 760mmHg

Flash Point °C: 60 **Method:** PM Closed Cup

Flammability Limit %: 0.6 - 6

Explosive Properties: Not determined

Oxidising Properties: Not applicable

Vapour Pressure: 100Pa @ 20°C

Relative Density (Water = 1): 0.761g/cm³ @ 15°C

Solubility: Insoluble in water. Soluble in hydrocarbons

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

Viscosity: Not determined

Vapour Density: 4.5

Evaporation Rate: 0.14 (Butyl Acetate = 1)

% Active: 100

% Solids: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Heat, ignition sources, static build-up, direct sunlight.

Incompatibility (Materials to Avoid): Strong oxidising or alkaline 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 and vapour (at higher temperatures and concentrations) may cause significant eye irritation and possible damage.

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

Inhalation: May be harmful or fatal if aspirated into lungs.

Excessive exposure to hydrocarbon vapour at high temperatures may cause central nervous depression. Acute overexposure to inhalation of spray mist may cause lung congestion and oedema.

Ingestion: Low oral toxicity. Swallowing chemical may cause severe internal injury, irritation of digestive tracts, vomiting and diarrhoea followed by CNS effects. May be harmful or fatal if aspirated into lungs. Chemical pneumonia and pulmonary oedema if quantities are aspirated into lungs.

Acute and Chronic Effects:

Acute Toxicity: LD50 >2000mg/Kg (oral-rat) (Aliphatic hydrocarbon)

LD50 >2000mg/Kg (skin-rat) (Aliphatic hydrocarbon)

Corrosivity / Irritation: Skin, eye and respiratory

Sensitisation: This product contains limonene, citral, linalool, cinnamal, geraniol.

Repeated Dose Toxicity: Not established

Mutagenicity: None

Carcinogenicity: None

Teratogenicity: None

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Mobility: Will float on water and evaporate slowly. Dissolved material adsorbs strongly to soil and sediment and is not mobile. Product remaining on soil surface evaporates within one day.

Persistence and Degradability: Not inherently biodegradable. Oxidises rapidly by photochemical reactions in air. Intergrated

environmental half-life expected to be 10 - < 100 days. 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: Has potential to bioaccumulate.

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

SECTION 13: DISPOSAL CONSIDERATIONS

Waste cleaning solvent effluent should be transferred to suitable containers and disposed of in accordance with hazardous waste regulations (The Hazardous Waste Regulations 2005, Environment Act 1995 and Environmental Protection Act 1990). Do not allow solvent to enter drains. 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: 3295

Classification: Flammable Liquid

Proper Shipping Name: Hydrocarbons, Liquid, N.O.S (Solvent Naphtha solution)

Packing Group: III

Road (ADR): Class 3

Sea (IMDG): Class 3

Air (ICAO / IATA): Class 3

Rail (RID): Class 3

SECTION 15: REGULATORY INFORMATION

Classification: Xn HARMFUL

Risk Phrases

R41 Risk of serious damage to eyes.

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.

Safety Phrases

S2 Keep out of the reach of children.

S23 Do not breathe vapour/spray

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.

S37/39 Wear suitable gloves and eye/face protection.

S42 During fogging / spraying wear suitable respiratory equipment.

S51 Use only in well-ventilated areas.

S60 This material and its container must be disposed of in a safe way.

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 3) 2002** (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 R11 Highly flammable. R36

Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact.

R51 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 B143 Issue / Revision Date 01/01/04 Revised Sections: 1, 2, 3, 4, 5, 7, 8, 9, 11, 12, 13, 15, 16