

**B143****DRY CLEANING DETERGENT ADDITIVE****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1. Product Identifier:** DRY CLEANING DETERGENT ADDITIVE **Product Code:** B143**1.2. Relevant identified uses of the substance or mixture and uses advised against:**

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.

**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): R10, Xn R65, R41, R53, R66.

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 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 and aspirated into the lungs.

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

**2.2. Label elements:****HARMFUL**

R10 Flammable

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.

For professional and industrial use only.

Keep out of the reach of children.

Do not breathe vapour/spray

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 and eye/face protection.

During fogging / spraying wear suitable respiratory equipment.

Use only in well-ventilated areas.

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

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	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Naphtha (petroleum) heavy alkylate	Xn R65 R66 R53	Not currently available	265-067-2	64741-65-7	30 to 90%
Docosate sodium	R10 Xi R41 R38	available	209-406-4	577-11-7	5 to 15%
Ethanol	F R11	H225	200-578-6	64-17-5	1 to 5%

**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 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.

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

May be harmful or fatal if aspirated into lungs. Excessive exposure to hydrocarbon vapour at high temperatures may cause central nervous depression.

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

#### **5.2. Special hazards arising from the substance or mixture:**

Vapours heavier than air. Flash point 34.5°C.

Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids and 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 and remove all sources of ignition. 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 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.

#### **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 eliminate all ignition sources - no smoking. Always wear an approved organic solvent cartridge mask when applying this product. Wash hands and clothing after use or spill. Do not eat or drink while handling solvent. DO NOT SMOKE IN WORK AREA.

#### **7.2. Conditions for safe storage, including any incompatibilities:**

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.

#### **7.3. Specific end use(s):**

A concentrated additive of solvent soluble detergents, wetting agents and deodorisers designed to improve the cleaning of fabrics during dry cleaning procedures.

### **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

#### **8.1. Control parameters:**

Naphtha (petroleum) heavy alkylate recommended Workplace exposure limit OEL-LTEL 150ppm.

Ethanol WEL-LTEL 1000ppm (1920mg/m<sup>3</sup>).

#### **8.2. Exposure controls:**

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

**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 manufacturer's 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.

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

#### **9.1. Information on basic physical and chemical properties:**

**Appearance:** Clear colourless liquid solvent.

**Odour:** Lemon floral

**Odour Threshold:** Not determined

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

**Melting point/freezing point:** Not determined.

**Initial boiling point and boiling range:** Not determined.

**Flash Point °C:** 34.5

**Method:** Abel Closed Cup

**Evaporation Rate:** Not determined.

**Flammability (solid, gas):** Not determined.

**Upper/lower flammability or explosive limits:** Not determined.

**Vapour Pressure:** Not determined.

**Vapour Density:** Not determined.

**Relative Density (Water = 1):** 0.797

**Solubility(ies):** Insoluble in water. Soluble in hydrocarbons

**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:**

Heat, ignition sources, static build-up, direct sunlight.

#### **10.5. Incompatible materials:**

Strong oxidising or alkaline 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 >2000mg/kg (oral-rat) (naphtha (petroleum) heavy alkylate)

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

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.

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.

#### **Irritation:**

Liquid and vapour (at higher temperatures and concentrations) may cause significant eye irritation and possible damage.

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

**Corrosivity:** Not corrosive.

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

**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:**

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

#### **12.2. Persistence and Degradability:**

Not inherently biodegradable. Oxidises rapidly by photochemical reactions in air. Integrated 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.

#### **12.3. Bioaccumulative Potential:**

Has potential to bioaccumulate.

#### **12.4. Mobility in soil:**

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.

#### **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:**

Waste cleaning solvent effluent should be transferred to suitable containers and disposed of in accordance with hazardous waste regulations. Do not allow solvent to enter drains. The container should be disposed of in accordance with regional and national requirements. Contact local Environment Agency office for waste holder requirements.

### **SECTION 14: TRANSPORT INFORMATION**

#### **14.1. UN number:** 3295

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

#### **14.3. Transport hazard class(es):**

**Road (ADR):** Class 3

**Sea (IMDG):** Class 3

**Rail (RID):** Class 3

#### **14.4. Packing Group:** III

**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 Sections 2 and 3:**

R10 Flammable. R11 Highly flammable. R38 Irritating to skin. 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.

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

H225: Highly flammable liquid and vapour.

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 28/07/09  
Revised Sections: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16.