



**Product Specification &**

**SAFETY DATA SHEET**

CHIP / EC FORMAT 91/155/EEC AMD 93/112/EC AMD 2001/58/EC

**E400  
RED RX**



**SECTION 1: IDENTIFICATION OF THE PREPARATION AND COMPANY**

**Product Name:** RED RX      **Product Code:** E400  
**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  
**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 special formula designed to remove food and drink colourings and some water-based ink and dye stains from carpets and fabrics. Red Rx is effective on most fruit juice, carbonated drinks, red wine, beverage, and some ink and dye stains. Red Rx must be used as directed and results will depend upon the type, age and size of stain and type of fibre. Most fibres will react safely to Red Rx, but carpet or fabric must always be pretested for colour fastness and texture change in an inconspicuous area, using the application procedure below.  
**CAUTION - SOME FIBRE DYES AND TWIST PILE CARPETS MAY BE SENSITIVE TO THE HEAT TRANSFER STAIN REMOVAL METHOD. ALWAYS PRETEST BEFORE PROCEEDING WITH APPLICATION.**

Apply Red Rx directly to stain only using the nozzle applicator. Avoid contact with surrounding carpet or fabric. For larger stains, Red Rx can be diluted with an equal part of water and applied by trigger sprayer. Blot treated area with white towel or tissue and check for stain colour transfer. Repeat until there is no further improvement. **DO NOT RUB** which may cause pile distortion or texture change. For difficult stains, apply Red Rx to stain only, then dampen a clean white towel with water and place folded damp towel on treated stain. Place a household steam iron, set on high heat, on top of folded damp towel only for 10 to 20 seconds. Do not allow iron to contact carpet or fabric. Remove iron and inspect towel for stain colour transfer. Repeat process using a clean section of towel until there is no further improvement. Rinse extract area with B109 Fibre & Fabric Rinse solution and lightly brush pile to align fibres.

**SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS**

SUBSTANCE	RISK (See Section 16)	EINECS NO.	CAS NO.	% W/W (EC RANGE)
Water	None assigned	None	None	More than 30%
Anionic surfactant	Xi R41 R38	None	2235-54-3	5 to 15%
Anionic surfactant	Xi R36/37	215-090-9	1300-72-7	5 to 15%
Non-ionic surfactant	Xn R22 Xi R41 N R50	None	68131-39-5	5 to 15%
Isopropanol	F R11 Xi R36 R67	200-661-7	67-63-0	Less than 5%
Non-ionic surfactant	Xi R41	None	68439-45-2	Less than 5%
Phosphate	-	-	-	Less than 1%
EDTA	-	-	-	Less than 1%
Fragrance (IFRA certified)	-	-	-	Less than 1%

**SECTION 3: HAZARDS IDENTIFICATION**

**Classification:** Risk of serious damage to eyes.  
**Eye Contact:** Contact with concentrate may cause significant eye irritation and possible damage if not promptly rinsed.  
**Skin Contact:** Prolonged or repeated contact with concentrate may cause mild irritation.  
**Inhalation:** None expected. Exposure to atomised spray may cause temporary irritation of the nose and throat.  
**Ingestion:** Ingestion of concentrate may produce nausea and internal irritation.  
**Environment:** Raw materials are biodegradable. Contains 5 to 15% alcohol ethoxylate which is classified as very toxic to aquatic organisms. See Ecological Information for further details.

**SECTION 4: FIRST AID MEASURES**

**Eye Contact:** Flush immediately with water for 15 minutes, then seek medical attention if irritation persists.  
**Skin Contact:** Flush skin with plenty of water. Seek medical attention if any skin irritation persists.

**Inhalation:** Get fresh air and seek medical assistance if breathing irritation persists.  
**Ingestion:** If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

**SECTION 5: FIRE FIGHTING MEASURES**

**Extinguishing Media:** Product is not flammable. Use water, carbon dioxide, dry powder extinguisher, or other media appropriate for materials actually involved in fire.  
**Fire/Explosion Hazards:** No explosion hazard.  
**Decomposition Products:** Exposure to fire may liberate carbon dioxide, carbon monoxide, sulphur dioxide, water and other unidentified thermal decomposition products from this product or its packaging.  
**Special Protective Equipment:** None recommended.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Protection:** Protective clothing, nitrile butyl rubber gloves, chemical splash goggles.

**Containment and Disposal:** Large spills should be treated with dry absorbent and disposed at legal waste disposal site. Small spills can be flushed with water to sewage drain linked to waste treatment facility.

#### **SECTION 7: HANDLING AND STORAGE**

**Handling Precautions:** Wear nitrile butyl rubber gloves and safety glasses when handling concentrate.

**Storage Precautions:** Avoid extremes of temperature. Store in a cool well ventilated area away from heat and flame. Keep out of reach of children. Keep in original container.

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

**Exposure Limits:** Isopropanol TWA 8 hours 400ppm OES-STEL 15 mins 500ppm

**Environmental Controls:** For additional guidance, contact ENVIROWISE at [www.envirowise.gov.uk](http://www.envirowise.gov.uk) or telephone 0800 585794

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

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

**Respiratory Protection:** Not normally required.

**Ventilation:** Normal air circulation. Allow adequate ventilation in enclosed areas.

**Hygiene:** Wash hands and clothing after use or spill. Do not eat or drink when handling chemicals.

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

**Appearance/Colour/State:** Clear straw liquid

**Odour:** Lemon

**pH Concentrate:** 8.5

**pH Diluted:** 8.5

**Boiling Point / Range °C:** 100

**Flash Point °C:** None **Method:** Not applicable

**Flammability Limit %:** Not applicable

**Explosive Properties:** Not applicable

**Oxidising Properties:** Not applicable

**Vapour Pressure:** Not determined

**Relative Density (Water = 1):** 1.03

**Solubility:** 100%

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

**Viscosity:** Not determined

**Vapour Density:** Not determined

**Evaporation Rate:** Not determined

**% Active:** 29.6

**% Solids:** 17

#### **SECTION 10: STABILITY AND REACTIVITY**

**Stability:** Stable

**Conditions to Avoid:** Extremes of temperature.

**Incompatibility (Materials to Avoid):** Strong oxidising materials.

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

#### **SECTION 11: TOXICOLOGICAL INFORMATION**

**Eye Contact:** Contact with concentrate may produce moderate irritation and possible severe irritation if not properly rinsed.

**Skin Contact:** Prolonged or repeated contact may cause irritation and possible mild dermatitis. Isopropanol has low skin absorption toxicity.

**Inhalation:** No health effects expected. Possible respiratory irritation by wetting agents in atomised spray form.

**Ingestion:** May produce gastro-intestinal irritation and nausea. Possible systemic effects from isopropanol.

**Acute and Chronic Effects:**

**Acute Toxicity:** LD50 >2000mg/Kg (oral-rat) (alcohol ethoxylate)

LD50 >2000mg/Kg (skin-rat) (alcohol ethoxylate)

LC50 >5mg/l (inhalation) (alcohol ethoxylate)

**Corrosivity / Irritation:** Skin, eye and respiratory

**Sensitisation:** None Known

**Repeated Dose Toxicity:** Not established

**Mutagenicity:** None

**Carcinogenicity:** None

**Teratogenicity:** None

#### **SECTION 12: ECOLOGICAL INFORMATION**

**Ecotoxicity:** Contains 5 to 15% alcohol ethoxylate which is classified as very toxic to aquatic organisms.

Alcohol Ethoxylate Fish EC50 10mg/l

Algae EC50 1mg/l

Daphnia EC50 10mg/l

**Mobility:** Soluble in water.

**Persistence and Degradability:** The raw material ingredients in this product are biodegradable within the scope of current EC legislation. The major packaging materials of polyethylene and fibreboard are recyclable.

**Bioaccumulative Potential:** Not known.

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

#### **SECTION 13: DISPOSAL CONSIDERATIONS**

Waste cleaning effluent should be discharged to a sewage drain, which is linked to a local sewage and waste treatment facility.

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:** Xi IRRITANT

**Risk Phrases**

R41 Risk of serious damage to eyes.

**Safety Phrases**

S2 Keep out of 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.

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

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) 1999** (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:** R11 Highly flammable R22 Harmful if swallowed.

R36 Irritating to eyes R37 Irritating to respiratory system. R38

Irritating to skin. R41 Risk of serious damage to eyes. R50 Very

toxic to aquatic organisms. R67 Vapours may cause drowsiness and dizziness.

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 E400 Issue / Revision Date 01/03/00

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