

The logo for Prochem, featuring the word "PROCHEM" in a bold, white, sans-serif font with a registered trademark symbol (®) to the right. The text is set against a solid blue rectangular background.

## SAFETY DATA SHEET

### RED RX

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name RED RX  
Product number E400

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses 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.

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

Supplier www.prochem.co.uk  
Prochem Europe Ltd  
Oakcroft Road  
Chessington  
Surrey  
KT9 1RH  
  
Telephone: 020 8974 1515  
Fax: 020 8974 1511  
sales@prochem.co.uk

##### 1.4. Emergency telephone number

Emergency telephone 020 8974 1515 (office hours 8am to 5pm Monday to Friday) 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

###### Physical hazards

Not Classified

###### Health hazards

Eye Dam. 1 - H318

###### Environmental hazards

Not Classified

###### Classification (67/548/EEC or 1999/45/EC)

Xi;R41.

###### Human health

Risk of serious damage to eyes. Contact with concentrate May cause severe eye irritation. May cause possible injury if not promptly rinsed. Prolonged or repeated exposure may cause the following adverse effects: skin irritation and dermatitis. Considered to be a low inhalation hazard at normal workplace temperatures. Excessive inhalation of spray, mist or vapour may cause temporary respiratory irritation. Ingestion may cause: Nausea, vomiting, irritation of mouth and throat.

###### Environmental

The product is not expected to be hazardous to the environment. The product is expected to be biodegradable.

**RED RX****2.2. Label elements****Pictogram****Signal word**

Danger

**Hazard statements**

H318 Causes serious eye damage.

**Precautionary statements**

P102 Keep out of reach of children.

P262 Do not get in eyes, on skin, or on clothing.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

**Contains**

ALCOHOLS, C9-11, ETHOXYLATED, SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, AMMONIUM SALTS

**Detergent labelling**

5 - &lt; 15% anionic surfactants, 5 - &lt; 15% non-ionic surfactants, &lt; 5% EDTA and salts thereof, &lt; 5% perfumes, &lt; 5% phosphates, Contains d-Limonene, Citral, Methylchloroisothiazolinone, Methylisothiazolinone

**2.3. Other hazards**

See section 8 for details of exposure limits.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>ALCOHOLS, C9-11, ETHOXYLATED</b> CAS number: 68439-45-2 EC number: —	<b>5-10%</b>
<b>Classification</b> Eye Dam. 1 - H318 Acute Tox. 4 - H302	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R22. Xi;R41.
<b>SODIUM XYLENESULPHONATE</b> CAS number: 1300-72-7 EC number: 215-090-9	<b>5-10%</b>
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi;R36.
<b>PROPAN-2-OL</b> CAS number: 67-63-0 EC number: 200-661-7	<b>1-5%</b>
<b>Classification</b> Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336 STOT SE 3 - H336	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xi;R36 R67

**RED RX****SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, AMMONIUM SALTS****1-5%**

CAS number: — EC number: 931-558-1

**Classification**

Met. Corr. 1 - H290

Acute Tox. 4 - H302

Skin Irrit. 2 - H315

Eye Dam. 1 - H318

Aquatic Chronic 3 - H412

**Classification (67/548/EEC or 1999/45/EC)**

Xn;R22. Xi;R38,R41.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

**Ingestion**

Rinse mouth thoroughly with water. Give plenty of water to drink. Never give anything by mouth to an unconscious person. Get medical attention. Do not induce vomiting.

**Skin contact**

Rinse immediately with plenty of water. Get medical attention if irritation persists after washing.

**Eye contact**

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed****Skin contact**

Skin contact may cause: Mild transient irritation.

**Eye contact**

May cause severe eye irritation. May cause possible injury if not promptly rinsed.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

The product is not flammable. Extinguish with the following media: Water spray, dry powder or carbon dioxide.

**5.2. Special hazards arising from the substance or mixture****Hazardous combustion products**

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Sulphur dioxide.

**5.3. Advice for firefighters****Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****Personal precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

**6.2. Environmental precautions**

## RED RX

### Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

#### Methods for cleaning up

Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

#### Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Usage precautions

Avoid contact with eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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

#### Storage precautions

Do not store near heat sources or expose to high temperatures. Store in closed original container at temperatures between 5°C and 30°C. Keep out of the reach of children.

### 7.3. Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

#### PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m3

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m3

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate ventilation.

#### Eye/face protection

Side shield safety glasses are recommended when handling concentrate or during spray application.

#### Hand protection

It is recommended that gloves are made of the following material: Nitrile rubber. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

#### Hygiene measures

Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

#### Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

**RED RX****SECTION 9: Physical and Chemical Properties****9.1. Information on basic physical and chemical properties****Appearance**

Clear liquid.

**Colour**

Straw.

**Odour**

Lemon.

**Odour threshold**

Not determined.

**pH**

8.5

**Initial boiling point and range**

100°C

**Flash point**

46°C CC (Closed cup). Does not sustain combustion.

**Evaporation rate**

Not determined.

**Upper/lower flammability or explosive limits**

Not applicable.

**Vapour density**

Not determined.

**Relative density**

1.03 @ °C

**Solubility(ies)**

Soluble in water.

**Partition coefficient**

Not determined.

**Auto-ignition temperature**

Not determined.

**Viscosity**

Not determined.

**Explosive properties**

Not applicable.

**Oxidising properties**

Not applicable.

**9.2. Other information****Other information**

None.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

None known.

**10.2. Chemical stability****Stability**

Stable at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

**RED RX**

Not determined.

**10.4. Conditions to avoid**

Store in closed original container at temperatures between 5°C and 30°C. Protect from freezing and direct sunlight.

**10.5. Incompatible materials****Materials to avoid**

Strong oxidising agents. Metals.

**10.6. Hazardous decomposition products**

Thermal decomposition or combustion products may include the following substances: Oxides of carbon. Sulphur dioxide.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Toxicological effects**

Ingestion may cause: irritation of mouth and throat. Nausea, vomiting. systemic effects

**Acute toxicity - oral****ATE oral (mg/kg)**

6,000.0

**Skin corrosion/irritation****Skin corrosion/irritation**

Prolonged or repeated exposure may cause the following adverse effects:, skin irritation and dermatitis.

**Serious eye damage/irritation**

Contact with concentrate May cause severe eye irritation. May cause permanent damage if eye is not immediately irrigated.

**Skin sensitisation**

Contains Limonene Citral

**Germ cell mutagenicity****Genotoxicity - in vitro**

No effects expected based upon current data.

**Carcinogenicity**

No effects expected based upon current data.

**Reproductive toxicity****Reproductive toxicity - fertility**

No effects expected based upon current data.

## RED RX

### Toxicological information on ingredients.

#### ALCOHOLS, C9-11, ETHOXYLATED

##### Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)  
300

##### Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)  
2000

#### SODIUM XYLENESULPHONATE

##### Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)  
7,200

Species  
Rat

##### Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)  
2000

Species  
Rabbit

#### PROPAN-2-OL

##### Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)  
2,000

Species  
Rat

##### Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg)  
2000

Species  
Rabbit

#### SULFURIC ACID, MONO-C12-14-ALKYL ESTERS, AMMONIUM SALTS

##### Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg)  
1,800.0

Species  
Rat

##### ATE oral (mg/kg)

1,800.0

## SECTION 12: Ecological Information

### 12.1. Toxicity

**RED RX**

**Ecological information on ingredients.**

**ALCOHOLS, C9-11, ETHOXYLATED**

**Acute toxicity - fish**

LC50, >: > 10 mg/l,

**Acute toxicity - aquatic invertebrates**

EC50, >: > 1 mg/l,

**Acute toxicity - aquatic plants**

IC50, >: > 10 mg/l,

**PROPAN-2-OL**

**Acute toxicity - fish**

LC50, 48 hours: > 100 mg/l, *Leuciscus idus* (Golden orfe)

**Acute toxicity - aquatic invertebrates**

EC50, 48 hours: >100 mg/l, *Daphnia magna*

**Acute toxicity - aquatic plants**

EC50, 72 hours: > 100 mg/l, *Scenedesmus subspicatus*

**12.2. Persistence and degradability**

**Persistence and degradability**

The surfactant(s) contained in this product complies(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.

**12.3. Bioaccumulative potential**

No data available on bioaccumulation.

**Partition coefficient**

Not determined.

**12.4. Mobility in soil**

**Mobility**

The product is soluble in water.

**12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

**12.6. Other adverse effects**

None known.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Empty containers should be rinsed with water then crushed and disposed of at legal waste disposal site.

**SECTION 14: Transport information**

**14.1. UN number**

Not classified for transportation.

**14.2. UN proper shipping name**

None.

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

None.

**IMDG class** -



**RED RX****14.4. Packing group**

None.

**14.5. Environmental hazards****Environmentally hazardous substance/marine pollutant**

No.

**14.6. Special precautions for user**

None.

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

Not applicable.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).

**EU legislation**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**SECTION 16: Other information****General information**

Telephone 020 8974 1515

**Revision date** 10/11/2014**Revision** 2**Supersedes date** 27/11/2012**Signature** Aaron Saunders**Risk phrases in full**

R11 Highly flammable.  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.  
R67 Vapours may cause drowsiness and dizziness.

**Hazard statements in full**

H225 Highly flammable liquid and vapour.  
H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

## RED RX

### Disclaimer

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.