

RED RX

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ALCOHOLS, C9-11, ETHOXYLATED	5-15%
CAS-No.: 68439-45-2	EC No.:
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.
SODIUM XYLENESULPHONATE	5-15%
CAS-No.: 1300-72-7	EC No.: 215-090-9
Classification (EC 1272/2008) Eye Irrit. 2 - H319	Classification (67/548/EEC) Xi;R36.
PROPAN-2-OL	1-5%
CAS-No.: 67-63-0	EC No.: 200-661-7
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC) F;R11 Xi;R36 R67
SULFURIC ACID, MONO-C10-16-ALKYL ESTERS, AMMONIUM SALTS	1-5%
CAS-No.: 68081-96-9	EC No.: 268-364-5
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R38,R41.
ALCOHOLS, C12-14	0.1-1%
CAS-No.: 80206-82-2	EC No.: 279-420-3
Classification (EC 1272/2008) Aquatic Acute 1 - H400	Classification (67/548/EEC) N;R50.

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 the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Drink plenty of water. Never give liquid to an unconscious person. Get medical attention. **DO NOT INDUCE VOMITING!**

Skin contact

Flush skin thoroughly with water. Get medical attention if irritation persists after washing.

RED RX

Eye contact

Rinse the eye with water immediately. 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 irritation to eyes. May cause possible injury if not promptly rinsed.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Use: Water spray, dry powder or carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Sulphur dioxide.

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

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

6.2. Environmental precautions

Avoid discharge into water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal.

6.4. 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

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

7.2. Conditions for safe storage, including any incompatibilities

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)

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

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
PROPAN-2-OL	WEL	400 ppm	999 mg/m3	500 ppm	1250 mg/m3	

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

Hand protection

Nitrile gloves are recommended. Protective gloves should be inspected for wear before use and replaced regularly in accordance with the manufacturers specifications.

Eye protection

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

Hygiene measures

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Straw.
Odour	Lemon.
Solubility	Soluble in water.
Initial boiling point and boiling range	100
Relative density	1.03
Vapour density (air=1)	Not determined.
Evaporation rate	Not determined.
pH-Value, Conc. Solution	8.5
pH-Value, Diluted Solution	8.5
Viscosity	Not determined.
Odour Threshold, Lower	Not determined.
Odour Threshold, Upper	Not determined.
Flash point	46°C CC (Closed cup). Does not sustain combustion.
Auto Ignition Temperature (°C)	Not determined.
Flammability Limit - Lower(%)	Not applicable.
Flammability Limit - Upper(%)	Not applicable.
Partition Coefficient (N-Octanol/Water)	Not determined.
Explosive properties	Not applicable.
Oxidising properties	Not applicable.

9.2. Other information

None.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

None known.

10.2. Chemical stability

Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

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 substances. Metals.

10.6. Hazardous decomposition products

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Sulphur dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects**Acute toxicity:**

Ingestion may cause: irritation of mouth and throat. Nausea, vomiting. Systemic Effects

Skin Corrosion/Irritation:

Prolonged or repeated exposure may cause: skin irritation and dermatitis.

Serious eye damage/irritation:

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

Respiratory or skin sensitisation:

Contains Limonene Citral

Germ cell mutagenicity:

No effects expected based upon current data.

Carcinogenicity:

No effects expected based upon current data.

Reproductive Toxicity:

No effects expected based upon current data.

Toxicological information on ingredients.**PROPAN-2-OL (CAS: 67-63-0)****Acute toxicity:****Acute Toxicity (Oral LD50)**

> 2000 mg/kg Rat

Acute Toxicity (Dermal LD50)

> 2000 mg/kg Rabbit

Acute Toxicity (Inhalation LC50)

> 20 mg/l (vapours) Rat 4 hours

SODIUM XYLENESULPHONATE (CAS: 1300-72-7)**Acute toxicity:****Acute Toxicity (Oral LD50)**

> 2000 mg/kg Rat

SULFURIC ACID, MONO-C10-16-ALKYL ESTERS, AMMONIUM SALTS (CAS: 68081-96-9)**Acute toxicity:****Acute Toxicity (Oral LD50)**

> 2000 mg/kg Rat

RED RX
ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-45-2)

Acute toxicity:

Acute Toxicity (Oral LD50)

> 300 mg/kg

Acute Toxicity (Dermal LD50)

> 2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecological information on ingredients.

PROPAN-2-OL (CAS: 67-63-0)

Acute Toxicity - Fish

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

EC 50, 48 Hrs, Daphnia, mg/l

>100

Acute Toxicity - Aquatic Plants

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

ALCOHOLS, C9-11, ETHOXYLATED (CAS: 68439-45-2)

Acute Toxicity - Fish

LC50 > 10 mg/l

Acute Toxicity - Aquatic Invertebrates

EC50 > 1 mg/l

Acute Toxicity - Aquatic Plants

IC50 > 10 mg/l

12.2. Persistence and degradability

Degradability

The surfactant(s) contained in this preparation 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

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 PBT or vPvB substances.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. 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

Proper Shipping Name None

14.3. Transport hazard class(es)

None.

ADR/RID/ADN Class -

IMDG Class -

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****Uk Regulatory References**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION**General information**

Telephone 020 8974 1515

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Revision 1

Signature Aaron Saunders

Risk Phrases In Full

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

RED RX

Hazard Statements In Full

H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H302	Harmful if swallowed.
H225	Highly flammable liquid and vapour.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

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.