

SAFETY DATA SHEET

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SECTION 1: IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Trade Name	Description	Unit	Code
Raynor	Concentrated Kitchen Cleaner Sanitiser	2 x 5L	0251

1.2 Relevant identified uses of the substance/mixture and uses advised against

Ideal for all types of catering and food processing equipment. Surfaces requiring a high degree of hygiene. Effective in hard and soft water.

1.3 Details of the supplier of the safety data sheet

Company Teepol Products,
Address Murray Road,
Orpington,
Kent BR5 3QY
Telephone 01689 877020
E-Mail sales@teepol.co.uk

1.4 Emergency telephone number +44 (0)1689 877020 (09:00 - 16:00 Monday to Friday) [SECTION 2: HAZARD](#)

IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP Skin. Irrit. 2, H315

2.2 Label elements

Hazard Pictograms:

Signal Word:

Warning



Hazard Statements:

H315 Causes skin irritation.

Precautionary Statements:

Disposal

P501 Dispose of contents/container to licensed waste disposal site.

Prevention

P305 + P351 + P338 + P315 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

P301 + P330 + P331 + P313 IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Get medical advice/attention.

P264 Wash hands thoroughly after handling.

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

Storage

P102 Keep out of reach of children.

2.3 Other hazards

EUH none None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

<u>Substance Name</u>	<u>REACH</u>	<u>Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Benzyl C10-16 alkyl dimethyl, chlorides	<u>Hazard</u>		68424-85-1	270-325-2	5-15
<u>Hazard Class</u>	<u>Category</u>		<u>Hazard Statements</u>		
Skin corrosion/irritation	Skin. Corr. 1A B C		H314 Skin corrosion/irritation		
Hazardous to the aquatic environment	Aquatic Acute 1		H400 Hazardous to the aquatic environment		
Acute toxicity	Acute. Tox. 4 - Oral		H302 Acute toxicity		

<u>Substance Name</u>	<u>REACH</u>	<u>Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Alcohol Ethoxylate C9 - C11	<u>Hazard</u>		68439-46-3	Polymer	<5
<u>Hazard Class</u>	<u>Category</u>		<u>Hazard Statements</u>		
Serious eye damage/irritation	Eye. Dam. 1		H318 Serious eye damage/irritation		
Acute toxicity	Acute. Tox. 4 - Oral		H302 Acute toxicity		

<u>Substance Name</u>	<u>REACH</u>	<u>Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Propan-2-ol	603-117-00-0		67-63-0	200-661-7	<5
<u>Hazard Class</u>	<u>Hazard Category</u>		<u>Hazard Statements</u>		
Serious eye damage/irritation	Eye. Irrit. 2		H319 Serious eye damage/irritation		
Flammable liquid	Flam. Liq. 2		H225 Flammable liquid		

<u>Substance Name</u>	<u>REACH</u>	<u>Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
1-PROPANAMINIUM, 3-AMINO-N(CARBOXYMETHYL)-N,N-DIMETHYL, NC8-18 (EVEN NUMBERED) ACYLDERIVIS, HYDROXIDES INNER SALTS	2119488533-30-XXXX		97862-59-4	931-296-8	<5
<u>Hazard Class</u>	<u>Hazard Category</u>		<u>Hazard Statements</u>		
Serious eye damage/irritation	Eye. Dam. 1		H318 Serious eye damage/irritation		
Hazardous to the aquatic environment	Aquatic Chronic 3		H412 Hazardous to the aquatic environment		

<u>Substance Name</u>	<u>REACH</u>	<u>Reg. No.</u>	<u>CAS-No</u>	<u>EC-No.</u>	<u>Amount [%]</u>
Pentasodium Diethylenetriaminepentaacetate	01-2119474445-33		140-01-2	205-391-3	<5
<u>Hazard Class</u>	<u>Hazard Category</u>		<u>Hazard Statements</u>		
Specific target organ toxicity - repeated exposure	STOT RE 2		H373 Specific target organ toxicity - repeated exp		
None	None		None None		
Acute toxicity	Acute. Tox. 4 - Inha		H332 Acute toxicity		

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Remove contaminated clothing.

After inhalation

Ensure supply of fresh air and seek medical attention.

After contact with skin

Wash splashes from skin immediately. If skin becomes sore or inflamed seek medical attention.

After contact with eyes

Irrigate with water for 10 to 15 minutes until irritation subsides. If irritation persists seek medical attention.

After ingestion:

If conscious, give plenty of water to drink, do not induce vomiting, obtain medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed Eye and skin irritation **4.3 Indication of any immediate medical attention and special treatment needed**

Rinse with clean water

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media: This product is not flammable. Use fire extinguishing media appropriate for surrounding area.

5.1 Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture May produce oxides of carbon, nitrogen, sodium and sulphur.

5.3 Advice to Fire Fighters

Wear self-contained breathing apparatus and protective clothing as appropriate to the associated fire.

SECTION 6: ACCIDENTAL RELEASE MEAS

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate PPE. Avoid breathing vapours if any and ensure adequate ventilation. Cordon off area to other personnel.

6.2 Environmental precaution

Do not allow to enter surface water drains, soil/subsoil.

6.3 Methods and material for containment and cleaning up

Absorb with sand or binder and dispose of according to local regulations. Small spillages may be flushed to a foul drain.

6.4 Reference to Other Sections: See Section 8 and 13 for more information on exposure and disposal.

SECTION 7: HANDLING and STORAGE

7.1 Precautions for safe handling

Provide good ventilation in working area. Wash hands after use and do not allow to enter surface water drains.

7.2 Conditions for safe storage, including any incompatibilities

Store only in original containers out of reach of children. Storage temperature should be between 5°C and 30°C.

7.3 Specific end use(s)

Use only as directed on the container or label.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

(Propanol) OES: TWA 8 hours 400ppm STEL: 15 mins 500ppm.

8.2 Exposure Controls

Do not eat, drink or smoke whilst working and wash hands after use.

Exposure Controls - Eyes: Avoid contact with eyes.

Exposure Controls - Skin: Wear vinyl, latex or nitrile gloves.

Exposure Controls - Respiratory Avoid breathing vapours. Provide adequate ventilation.

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance / Odour pH Dark Pink liquid with characteristic odour. (Method: QP22)

(10% soln.) 9.7 (Method: QP03)

Melting/freezing point: 0°C

Flammable / Flash point Not Flammable

Relative density Solubility: 0.99 g/cm³ @ 20°C (Method: QP07) Soluble/dispersible in water

Viscosity: 10 - 20s Ford 4 @20°C (Method: QP04)

Oxidising properties: Not applicable.

Explosive properties: Not applicable.

9.2 Other Information No information available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: Not known to react with other chemicals

10.2 Chemical Stability: No stability concerns **10.3 Hazardous Reactions:** None known

10.6 Hazardous Decomposition Products May produce toxic products of combustion when involved with a fire.

10.4 Conditions to Avoid: None known **10.5 Incompatible Materials:** None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Substance	Toxicity
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Benzyl C10-16 alkyldimethyl, chlorides	Acute Toxicity: Oral : LD50 (rat) 240-400 mg/kg Dermal : LD50 (rat) 800-1420 mg/kg Potential Acute Health effects Inhalation: No inhalation hazard under normal use conditions. Dust, spray, mist can be corrosive/highly irritating to the respiratory system Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach Skin contact: Corrosive to skin. Causes burns. Harmful in contact with skin. Eye: Corrosive to eyes.
Alcohol Ethoxylate C9 - C11	Toxicity value(s): ORL RAT LD50 >200<2000 mg/kg Acute effects: Harmful if swallowed. Risk of serious damage to eyes. Skin contact: There may be irritation and redness at the site of contact. Eye contact: There may be irritation and redness. The eyes may water profusely. There may be severe pain. May cause permanent damage. Ingestion: Nausea and stomach pain may occur. There may be vomiting. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Propan-2-ol	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 Serious Eye Damage/Irritation - Irritating Not sensitizing Not a carcinogen General Information Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Inhalation Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness. Prolonged inhalation of high concentrations may damage respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Harmful: possible risk of irreversible effects through inhalation. Ingestion. - Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract. Irritating. May be absorbed in the body and cause dizziness, nausea and vomiting. Swallowing concentrated chemical may cause severe internal injury. Skin Contact - Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Risk of sensitisation or allergic reactions among sensitive individuals. Eye Contact - Extreme irritation of eyes and mucous membranes, including burning and tearing. Risk of corneal damage. Route of entry - Inhalation. Ingestion. Skin and/or eye contact. Target Organs - Central nervous system Eyes Gastro-intestinal tract Skin Medical Symptoms - Extreme irritation of eyes and mucous membranes, including burning and tearing. Visual disturbances, incl. Blurred vision. Nausea, vomiting. Headache. Medical Considerations - Splash in eye requires examination by eye specialist.
1- PROPANAMINIUM, Route Species Test Value Units 3-AMINO-N- (CARBOXYMETHYL) Relevant effects for mixture: -N,N-DIMETHYL,N- C8-18 (EVEN NUMBERED) ACYLDERVIS, HYDROXIDES INNER SALTS	Toxicity values: ORL RAT LD50 >5000 mg/kg Effect Route Basis Irritation OPT Hazardous: calculated Symptoms / routes of exposure Skin contact: There may be irritation and redness at the site of contact. Eye contact: * May cause severe eye injury. There may be irritation and redness. The eyes may water profusely. Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.
Pentasaodium Diethylenetriamine	11.1. Information on toxicological effects Acute toxicity - inhalation pentaacetate ATE inhalation (gases ppm) 17,482.52 ATE inhalation (vapours mg/l) 42.74 ATE inhalation (dusts/mists mg/l) 5.83 Reproductive toxicity Reproductive toxicity - fertility Contains a substance/a group of substances which may damage the unborn child. Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Ingestion May cause severe internal injury.

Skin contact Irritating to skin. Eye
contact Irritating to eyes.

No information regarding interactions between the ingredients in this mixture is available, therefore, the information shown above is separately reported for each relevant ingredient used in the mixture even though it may be present below its concentration limit and represent no toxicity in the mixture as a whole.

SECTION 12: ECOLOGICAL INFORMATION

No specific information is available for this mixture, therefore, the following information regarding the relevant substances used in this mixture is provided, even though they may be present below the concentration limit and represent minimal or no toxicity to the environment.

Substance	ECO Toxicity
Benzyl C10-16 alkyldimethyl, chlorides	12.1 Ecotoxicity : The product is toxic to aquatic organisms Acute LC50 Fish (96hr) 0.85 – 1.2 mg/L Acute EC50 Daphnia (48hr) 0.02 mg/L Acute EC50 Algae (96hr) 0.06 mg/L 12.2 Persistence/Degradability : Readily biodegradability: complies with biodegradability conditions, particularities and limits specified in Detergents Regulation (EC) 648/2004 & annexes. 12.3 Bio-accumulative Potential : Low: Product is surface active: Log Pow (ca. 0.5) may not be appropriate 12.4 Mobility in soil : Water soluble, readily binds to organic matter 12.5 PBT and vPvB : Not applicable 12.6 Ecological Overview : Product contains a substance classified as dangerous for the environment
Alcohol Ethoxylate C9 - C11	Ecotoxicity value(s): FISH 96H LC50 1-10 mg/l Mobility: Soluble in water. Persistence and degradability: This surfactant complies 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 the detergent manufacturer. PBT identification: This substance is not identified as a PBT substance.
Propan-2-ol	Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. 12.1. Toxicity Acute Toxicity - Fish LC50 48 hours > 100 mg/l Leuciscusidus (Golden orfe) Acute Toxicity Aquatic Invertebrates EC50 48 hours > 100mg/l Daphnia magna Acute Toxicity - Aquatic Plants EC50 72 hours > 100 mg/l Scenedesmus subspicatus 12.2. Persistence and degradability Degradability: Readily biodegradable meeting the 10 day window criterion. The product is biodegradable. Oxidises rapidly by photochemical reactions in air. Integrated environmental half-life expected to be 1-<10 days Dominant loss process - biodegradation Chemical Oxygen Demand 2.2 g O2/g substance 12.3. Bioaccumulative potential Bioaccumulative Potential: Does not bioaccumulate significantly Partition Coefficient 0.05 12.4. Mobility in soil Mobility: The product is water soluble and may spread in water systems. Large volumes may penetrate soil and could contaminate groundwater Product remaining on soil surface evaporates within one day If product enters soil it will be mobile and may contaminate groundwater. 12.5. Results of PBT and vPvB assessment This product does not contain any PBT or vPvB Substances. 12.6. Other adverse effects The product contains volatile, organic compounds which have a photochemical ozone creation potential.

1-PROPANAMINIUM, 3-AMINO-N(CARBOXYMETHYL)-N,N-DIMETHYL,NC8-18 (EVEN NUMBERED) ACYLDERIVS, HYDROXIDES INNER SALTS	12.1 Toxicity: Species Test Value Units Daphnia magna 48H EC50 21.5 mg/l MARINE ALGAE (Skeletonema costatum) 48H EC50 30.0 mg/l 12.2. Persistence and degradability Persistence and degradability: This surfactant complies 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 the detergent manufacturer. 12.3. Bioaccumulative potential 12.4. Mobility in soil Mobility: Soluble in water. 12.5. Results of PBT and vPvB assessment PBT identification: This substance is not identified as a PBT substance. 12.6. Other adverse effects Other adverse effects: *
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Pentasodium Diethylenetriamine pentaacetate	Ecotoxicity: The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. 12.1. Toxicity Acute Fish Toxicity Not considered toxic to fish. 12.2. Persistence and degradability Degradability: There are no data on the degradability of this product. 12.3. Bioaccumulative potential Bioaccumulative Potential: The product does not contain any substances expected to be bioaccumulating. 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 Not determined.
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

When disposing of surplus or waste product use suitable PPE etc. ensuring empty containers are rinsed out and disposed of safely. Do not allow product to enter land or surface water drains. Dispose of in accordance with local authority regulations. Do not mix with other waste materials.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number:	N/A
14.2 Shipping Name:	Raynor Concentrated Kitchen Cleaner Sanitiser
14.3 Transport hazard class	None
14.4 Packing group:	N/A
14.5 Environmental Hazards:	Not Applicable
14.6 Special precautions for user:	No information
14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code:	No information

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environment regulation/legislation specific to the substance or mixture EU

Legislation

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.

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.

ECHA Guidance on the application of CLP criteria (Version 4: November 2013)

ECHA Guidance on the compilation of safety data sheets (Version 2.1: February 2014)

15.2 Chemical safety assessment

No information

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 3

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure
Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Passes EN 1276 (MGS Certificate number: SO 463A) when diluted by 1 part in 10 parts water. *Directions:*

To sanitise area after wash down. Spray liberally onto surface and allow a minimum 1 minute contact time. Wipe down using paper towel or clean dry cloth.

Dilution Instruction:

Dilute 1:10 parts water. BSEN:1276 Compliant.

Hazard Symbols ONLY apply Concentrate. Low Hazard Food Safe when diluted.

Further Information: The latest version of this data sheet may be obtained from the Harvey Waddington Web Site at: www.teepol.co.uk

GLOSSARY:	PPE	Personal protective equipment.	N/A	Not applicable.	N/K	Not known	OES
Occupational exposure limit	TWA	Time weighted average	W/V	Weight to volume			

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

ANIMAL TESTING: Teepol Products (UK) do not test their finished products on animals.

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