PRODUCT INFORMATION SHEET

Unico Limited, North Main Street, Carronshore,
Falkirk. FK2 8HT
Tel: 0845 27 86426 Fax: 01324 573401

ROSSAPOL 20

Liquid Detergent – Concentrate

FEATURES & APPLICATIONS

Rossapol 20, is a concentrated liquid detergent, ideal for both general dishwashing and for light-duty hard surface cleaning. It is non-tainting and suitable for use in both hard-water and soft-water areas. Rossapol 20 finds application in the catering industry, in restaurants and in institutional cleaning.

In kitchens Rossapol 20 will wash dishes, glasses, cutlery, pots and pans, food preparation surfaces, refrigerators etc. It can also be used to clean bars, tables, paintwork, walls and other hard-surfaces.

APPLICATION DETAILS

Task	Maximum Dilution	How To Use
Washing dishes, glasses, cutlery, pots and pans etc.	1 in 640 with water (8ml per 5 Litres)	Wash dishes as normal. Towel-dry or leave to air dry.
Cleaning worktops, tables, bars, and hard surfaces.	1 in 320 with water (15ml per 5 Litres)	Clean surface with a cloth, sponge or mop. Leave to dry without rinsing.

Note: If using an ounce-a-matic dispenser, one measure = 30ml

PRODUCT AND PACKAGING INFORMATION

Appearance & Odour: Clear, green liquid with slight odour.

Chemical Description: An aqueous solution of surfactants, preservative and dye.

Packaging: **2** x 5 Litres.

Shelf Life: 2 Years.

ENVIRONMENTAL INFORMATION

General Information: This product is expected to have very little ecological impact.

Environmental Checklist:

Biodegradable detergents	Yes	CFC free	Yes	Solvent free	Yes
Phosphate free	Yes	Acid/alkali free	Yes	Free of dyes/perfumes	No
Recyclable packaging	Yes	Biodegradable container	No	Biodegradable outer box	Yes

FURTHER INFORMATION AVAILABLE ON REQUEST

PRODUCT SAFE HANDLING SHEET UNICO

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Commercial Name	**Rossapol 10**	**Supplier**	**Unico Ltd**
Intended/Recommended use	**Liquid Detergent**	**Address**	**North Main Street, Carronshore, Falkirk FK2 8HT**
Issue Date	**Jan 2021**	**Telephone**	**01324 573400**
Issue Number	**8**	**Fax**	**01324 573401**

2. HAZARDS IDENTIFICATION

2.1 Classification This product has been reviewed with a view to being classified under EC 1272/2008. There is not sufficient evidence to warrant such classification but some precautions are included in this document. The major component is a

Physical and Chemical Hazards	Not Classified
Human Health	Possible eye damage and risk of health effects if swallowed
Environment	Acute marine toxicity

2.1 Label Elements

Signal Word **Warning**

Hazard Statements
H302 Harmful if swallowed.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.

Precautionary Statements

P102 - Keep out of reach of children.
P103 - Read label before use.
EUH 210 - Safety data sheet available on request.
P264 - Wash hands thoroughly after handling.
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P281 Use personal protective equipment as required.
Wear eye protection when handling concentrated product.
Wear rubber /impervious gloves for skin protection when handling concentrated product.

3. COMPOSITION OF PRODUCT AND INFORMATION ON INGREDIENTS

3.1 Mixtures

Concentrations below the concentration limit for classification in mixtures means that substance not reaching this does not need to be classified. Those that do not reach this concentration will still be included as indicative advice only.

Benzenesulphonic acid mono c10 - 13 alkyl derivatives sodium salts	8.9-17.9%
CAS-No.: 68081-81-2	EC No.: --
Classification (EC 1272/2008) Eye Damage 1 ï H318	Skin irritant 2 ï H315 Acute Tox. 4 - H302

Alcohols, c12-14, ethoxylated, sulphates, sodium salts	3.6 ï 8.9%
CAS-No.: 68891-38-3	EC No.: --
Classification (EC 1272/2008) Skin Irritant. 2, H315;	Chronic Aquatic 3 - H412 Eye Damage. 1, H318

Alcohols, C12-14, ethoxylated		1.8 ï 3.6%
CAS-No.: 68439-50-9	EC No.: --	
Classification (EC 1272/2008) Eye Damage 1 ï H318	Chronic Aquatic 3 - H412 Acute Aquatic 1 ï H400	Acute Tox. 4 ; H302

NAME	RANGE	EINECS	CAS No	Conc. Limit for Classification
Methylchloroisothiazolinone (5-Chloro-2-methyl-4-isothiazolin-3-one)	< 0.1%	47-500-7	26172-55-4	1%
Methylisothiazolinone (2 methyl-3(2H)-isothiazolone)	< 0.1%	220-239-6	2682-20-4	1%
CI 42045	< 0.1%	204-934-1	129-17-9	1%
CI 19140	< 0.1%	217-699-5	1934-21-0	1%

4. FIRST AID MEASURES

4.1 Description of first aid measures

Ingestion Drink a glass of water to dilute product. Do not induce vomiting. Act immediately to prevent further irritation of mouth, throat and stomach mucosa.

Inhalation No ill effects expected. If irritation is experienced go in open air and ventilate area. Mouth and throat to be rinsed thoroughly with water.

Eye Contact Check for and remove contact lenses. Rinse thoroughly with plenty of water for several minutes.

Skin Contact Rinse affected area with water, if needed apply a cold compress to relieve irritation.

4.2 Most Important symptoms and effects, both acute & chronic

Where irritation of tissue occurs, stinging and redden accompanied by some discomfort for a short period after exposure. No Chronic effects known

4.3 Indication of any immediate medical attention and special treatment needed

If irritation to the mouth, throat, stomach, skin, eyes or respiratory system occurs and doesnôt subside within a few minutes after the first aid measures have been carried out, seek immediate medical advice and have this SDS or the product label to hand.

A cold compress can be used to alleviate skin irritation.

5. FIRE FIGHTING MEASURES

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

Unsuitable extinguishing media Not applicable.

5.2 Special hazards arising from the substance or mixture Fumes may contain poisonous oxides of carbon and nitrogen (CO_x & NO_x) if affected by fire.

5.3 Advice for firefighters Use appropriate extinguishing media for fires in the area. Firefighters should wear self-contained breathing apparatus if heat generated breakdown products are likely to be present

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing and eyeshields.

6.2 Environmental Precautions

Avoid spillage into surface water drains, soil / subsoil or vegetation.

6.3 Methods and material for containment and cleaning up

Hose away with plenty of water, diluting well, unless this would contaminate a water source or vegetation. In which case either collect, dilute as earlier and pour down waste drain (foul sewer) or absorb onto dry sand or similar material and dispose of safely as commercial waste.

7. HANDLING AND STORAGE

7.1 Handling Take care when dispensing product from container and assure adequate ventilation and the use of PPE to protect eyes and skin. Avoid contact with skin and eyes. Do not mix with any other chemicals.

7.2 Storage Store upright in original containers in a cool dry area out of the reach of children.

7.3 Specific end use(s) Use only as directed by the front page of this document and the product label

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

Name	STD	TWA ï 8 Hrs		STEL ï 15 Min		Comments

Note: No Substances above 1% in the product with a listed exposure limit

8.2 Exposure Control

Respiratory Protection Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear a facemask with a suitable filter.

Skin Protection Personal protection not normally required once diluted unless a risk assessment indicates the need for it .In which case wear protective overalls and safety shoes/boots.

Eye Protection Personal protection is required for the handling and use of the concentrate in the form of a face shield. Personal protection is not normally required unless a risk assessment indicates the need for it. Wear eyeshields.

Hand Protection Rubber or nitrile gloves required for concentrate handling & use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Original Information on basic physical and chemical properties

Appearance	Green liquid	**Flash Point (ACC)**	-
Odour	Slight	**Viscosity (20C)**	200 cp approximately
pH	7.5 typically	**Water Solubility**	Soluble
Boiling Point	100degC	**Explosive Properties**	None
Oxidising Properties	None	**Vapour Pressure**	Not Applicable
Fat Solubility	Forms emulsion	**Relative Density**	1.02

10. STABILITY AND REACTIVITY

10.1 Reactivity Is considered unreactive with normal use
10.2 Chemical Stability No stability concerns
10.3 Hazardous Reactions May be exothermic when in contact with acids
10.4 Conditions to Avoid Extreme heat or cold
10.5 Incompatible Materials None known.
10.6 Hazardous decomposition products None when handled and stored correctly.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

Consideration is only given to components with greater than 1% based on the product formulation and those with a listed exposure limit in Section 8.

Acute Toxicity – May be irritant to tissue and serious eye damage.

Component	LD-50, Oral, mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Sodium Dodecyl Benzene Sulphonate	438 (rat)	1000-2000 (rabbit)	-	None known
Alkyl Ether Sulphate	7400 (rat)	>2000 (rat)	--	None known
Alcohol Ethoxylate	1400 (rat)	>5000 (rat)	--	None known

Chronic Toxicity

Carcinogenicity There are no known carcinogenic chemicals in this product
Sensitization No information available.
Mutagenic Effects No information available
Reproductive Effects No information available.
Developmental Effects No information available.
Target Organs None known

Endocrine Disruptor Info. No information available.

Other Adverse Effects Alcohol Ethoxylate is above 0.1% concentration and therefore has to be classified and included due to its Acute Aquatic rating.
The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information

12. ECOLOGICAL INFORMATION

12.1 Toxicity
Ecotoxicity effects

Component	Toxicity to Fish LC-50, mg/l	Exposure Time, Hrs	Comments
Alkyl Ether Sulphate	15mg/l (Oncorhynchus mykiss)	96	
Alcohol Ethoxylate	8.5 (Pimephales promelas)	96	

12.2 Persistence and Degradability
The components contained in this preparation are biodegradable

12.3 Bioaccumulation Potential
With the current information available, when used for its intended purpose this product will not cause adverse effects in the environment.

12.4 Mobility in soil No information available

12.5 Aquatic Toxicity With the current information available, this is rated as having Acute Toxicity potential but is close to the classification end point for the component that has this rating. Therefore the residual risk is judged to be low.

12.6 Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Discharge used working solutions to drain is acceptable in small amounts due to the dilution of running water by at least a factor of 10..

Concentrated product must be sent for disposal using a licensed waste disposal contractor.

Rinse out empty container with water and consign to normal waste. Washing must provide at least a 10 fold dilution of any material left in the container.

14. TRANSPORT

Not regulated for Transport

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation
Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

Guidance
Workplace Exposure Limits EH40.
The National Institute for Occupational Safety and Health (NIOSH) register of Immediately Dangerous to Life or Health Concentrations (IDLH)

16. OTHER INFORMATION

This product does not require any special training before use. Usage and handling instructions are mentioned on packaging and on the first page of this Safety Data Sheet .This health and safety information refers to the concentrated product and has been prepared assuming the intended described use is adhered to. Any unusual or novel use of this product is done without being assessed for the impact nor is it part of the considerations in this document.

Diluted solutions can be considered to be significantly less hazardous although they should always be handled with care.

Key literature references and sources for data
Safety Data Sheet, Misc. manufacturers.
CLP Classification - Table 3.1 List of harmonised classification and labelling of hazardous substances.
CHIP Classification - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC.
ECHA - C&L Inventory database.

Revision comments
This product is now using classification from GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

The Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

Hazard statements in full
H302 Harmful if swallowed
H315 Causes skin irritation
H318 Causes serious eye damage
H319 Causes serious eye irritation
H400 Very toxic to aquatic life
H412 Harmful to aquatic life with long-lasting effects