

DURACLEAN
Multi-surface Cleaner

FEATURES & APPLICATIONS

Duraclean is a hard surface cleaner. It has been formulated with care for the environment but still finds application in a wide range of institutional and commercial premises. It does not contain phosphates, EDTA/NTA, solvents or harsh alkalis. The surfactants it does contain are fully biodegradable. **Duraclean** is a good general-purpose hard surface cleaner which will also remove oil and body fats. It is suitable for use on surfaces such as glass and aluminium and in areas such as swimming pools, where excessive alkalinity is undesirable. **Duraclean** leaves a lingering citrus fragrance in treated areas.

Duraclean will clean most floors, walls, paintwork, tiles, aluminium, stainless steel, plastics, laminates and similar surfaces.

Duraclean will clean, defat and freshen shower rooms and poolsides.

Duraclean will also leave windows, mirrors and chrome sparkling clean.

APPLICATION DETAILS

Task

Cleaning windows, mirrors and chrome.

Maximum Dilution

1 in 80 with hot water
(60 ml per 5 litres)

How To Use

Clean thoroughly with a cloth or sponge. Leave to dry without rinsing.

Cleaning floors, walls, fittings, paintwork, plastic etc.

1 in 40 with hot water
(125 ml per 5 litres)

Clean thoroughly with a cloth or sponge. Leave to dry without rinsing.

Cleaning shower rooms, or poolside tiles.

1 in 10 with hot water
(500 ml per 5 litres)

Clean thoroughly with a cloth, sponge mop. Rinse with fresh water.

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

PRODUCT AND PACKAGING INFORMATION

Appearance & Odour: Clear, yellow liquid with fresh lemon fragrance.

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

Packaging: 6 X 1, 2 X 5 , 20 litres

Shelf Life: 2 Years

ENVIRONMENTAL INFORMATION

General Information: This product has been formulated to have very little ecological impact.

Environmental Checklist:

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

FURTHER INFORMATION AVAILABLE ON REQUEST

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Commercial Name Intended/Recommended use	Duraclean Hard Surface Cleaner	Supplier Address	Unico Ltd North Main Street, Carronshore, Falkirk FK2 8HT 01324 573400 01324 573401
Issue Date Issue Number	May'15 7	Telephone Fax	

2. HAZARDS IDENTIFICATION

2.1 Classification This product is classified under EC 1272/2008

Physical and Chemical Hazards	Not Classified
Human Health	May be harmful by inhalation
Environment	May be harmful to aquatic life

2.1 Label Elements Label in Accordance with (EC) No. 1272/2008



Signal Word	Warning
Hazard Statements	H302 Harmful if swallowed H318 Causes serious eye damage H315 Causes skin irritation
Precautionary Statements	P102 - Keep out of reach of children P103 – Please read label before use. EUH 210 - Safety data sheet available on request. P302 +P352 IF ON SKIN: Wash with plenty of soap and water. P332 + P313 If skin irritation occurs: Get medical advice/attention. 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.

Alcohol Ethoxylate	1 . 10%
CAS-No.: 68439-46-3	EC No.: --
Classification (EC 1272/2008) Eye Damage 1 . H318	Acute 4 . H302

Sodium Carbonate	1 . 10%
CAS-No.: 497-19-8	EC No.: 207-838-8
Classification (EC 1272/2008) Eye Irritant 2 . H319	Skin Irritant 2 . H315

Alkyl Aryl Sulphonate	1 . 10%
CAS-No.: 25155-30-0	EC No.: --
Classification (EC 1272/2008) STOT 2 . H303	Acute 4 . H335 Skin / Eye Corr. 1A . H314

Alkyl Ether Sulphate	1 . 10%
CAS-No.: 68585-34-2	EC No.: --
Classification (EC 1272/2008) Skin Irritant. 2, H315;	Eye Irritant. 2, H319

<u>NAME</u>	<u>RANGE</u>	<u>EINECS</u>	<u>CAS No</u>	<u>Conc. Limit for Classification</u>
Perfume (Fragrance)	0.1-1%	Mixed	Mixed	1%
Methylchloroisothiazolinone	< 0.1%	247-500-7	26172-55-4	1%
Methylisothiazolinone	< 0.1%	220-239-6	2682-20-4	1%
Alpha Isomethyl Ionone	< 0.1	-	127-51-5	<0.1%
Limonene (allergen)	< 0.1	-	106-22-9	<0.1%
Butylphenyl Methylpropional (Lilial)	< 0.1	-	5989-27-5	<0.1%
C.I. 19140 (Yellow No.5)	< 0.1	217-699-5	1934-21-0	<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 at concentrations used. If irritation is experienced go in open air and ventilate area. Mouth and throat may be rinsed 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 as instructed, 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 further exposure until condition improves. No Chronic effects known at the concentrations used in the mixture

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 doesn't 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. Ventilate the area.

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. 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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

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 particulate filter.
- Skin Protection** Personal protection is not normally required unless a risk assessment indicates the need for it .In which case wear protective overalls and safety shoes/boots.
- Eye Protection** Personal protection is not normally required unless a risk assessment indicates the need for it .In which case ear eyeshields.
- Hand Protection** For prolonged contact or sensitive skin the use of rubber gloves is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Yellow Liquid	Flash Point (ACC)	-
Odour	Violet	Viscosity (20C)	1 cp approx
pH	11.3 typically	Water Solubility	Soluble
Boiling Point	Approx 100°C	Explosive Properties	None
Oxidising Properties	None	Vapour Pressure	Not Applicable
Fat Solubility	Forms an emulsion.	Relative Density	1.01

9.2 Other Information

None

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
- 10.4 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 – Irritant & damaging to tissue and eyes

Component	LD-50, Oral, mg/kg	LD-50, Skin mg/kg	LC-50 (Inhalation)	Chronic Consideration
Sodium Carbonate	4090 (rat)	--	--	None known
Alkyl Aryl Sulphonate	300-2000 (rat)	>2000	--	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 Vital organs through ingestion
Endocrine Disruptor Info. No information available.
Other Adverse Effects 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
Sodium Carbonate	300 (fish)	96	
Alkyl Aryl Sulphonate	10.8 (fish)	96	
Alkyl Ether Sulphate	15mg/l (Oncorhynchus mykiss)	96	
Alcohol Ethoxylate	8.5 (Pimephales promelas)	96	

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 judged to be low at the dilutions that exist.

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. Small amounts (less than 1 Litre) of unwanted concentrated product may be flushed with water to sewer with at least 15 minutes of running water.

Larger volumes of the concentrated product must be sent for disposal using a licensed waste disposal contractor.

Rinse out empty container with water and consign to normal waste.

14. TRANSPORT

Not regulated for Transport with current knowledge

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.

Revision date 01/05/2017 T

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

H303 May be harmful if swallowed

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation

H318 Causes serious eye damage

H319 Causes serious eye irritation