



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of Substance or Preparation

Trade Name: Harpic 2 In 1 Bleach

Preparation Name: Harpic 2 In 1 Bleach "Oxygen Fresh"

Product Format:

In the bowl lavatory care product. Fragranced bleach block in a plastic cage.

1.2 Use of the substance / preparation:

For cleaning toilet bowls

1.3 Company / Supplier Identification

Reckitt Benckiser UK
Delta Business Park
1200 Welton Road
Swindon
Wiltshire
SN5 7XZ

Tel: +44 (0)8457 697079

1.3.1 Distributor In Republic Of Ireland:

F A Wyatt
Unit 9
Keypoint Business Park
Ballycoolin Road
Blanchards Town
Dublin 11

Tel: +353 (0) 166 173 18

2. COMPOSITION

The product contains the following components

Cleaning block:

	Chemical Ingredient	Classification	CAS N°	EINECS N°
50 - 70 %	Na Dodecylbenzenesulfonate	Xi;R38-41	85117-50-6	285-600-2
1 - 5 %	Na Dichloroisocyanurate Dihydrated	Xn;R22-31-36-37; N; R50/53	51580-86-0	220-767-7
1 - 5 %	Lauramide MEA	Xi;R41	142-78-9	292-921-1
1 - 5 %	Distillates (Petroleum), Hydrotreated Light	Xn ; R65/66	64742-47-8	265-149-8

Oxygen Gel:

	Chemical Ingredient	Classification	CAS N°	EINECS N°
0 - 1 %	Triethylene glycol diamine	C: R22,R34, R43	929-59-9	Not available
0 - 1 %	Polyoxyalkeneamine D400	C; R21/22, R34, R52/53	9046-10-0	Not available
< 1 %	Pigment Blue	Xn : R10, R37/38 ; R66 ; R67 ; R51/53	Not available	Not available
50 - 70%	Marine fragrance	R52/53	Not available	Not available

Marine Fragrance contains:

	Chemical Ingredient	Classification	CAS N°	EINECS N°
2.5 - 5. %	Tetrahydro-2-isobutyl-4-methylpyran-4-ol,mixed isomers (cis and trans)	Xi: R36	0063500-71-0	405-040-6
2.5 - 5 %	2,6-Octadiene, 1,1-diethoxy-3,7-dimethyl	F Xi; R11 R38	0007492-66-2	231-323-7
2.5 - 5 %	Acetic Acid (3-methylbutoxy)-2-propenyl ester	Xn; R22 R38	0067634-00-8	266-803-51
0.5 - 2.5 %	Ethanone, 1-(-1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)	N; R51/53	0054464-57-2	259-174-3
0.5 - 2.5%	Benzene, 1,1'-oxybis	N; R51/53	0000101-84-8	202-981-2
0.05 - 2%	10-Undecanal	R51/53	0000112-45-8	203-973-1
0.05 - 2 %	1,3-Benzodioxole-5-propanol,.alpha.-methyl	N; R51/53	0001205-17-0	214-881-6
0.05 - 2%	6-Octen-1-ol,3,7-dimethyl	Xi;N; R38 R43 R51/53	000106-22-9	203-375-0

Key to R phrases :

R20	Harmful by inhalation.
R21	Harmful in contact with skin.
R22	Harmful if swallowed.
R31	Contact with acids liberates toxic gas.
R34	Causes burns
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R43	May cause sensitization by skin contact.
R50	Very toxic to aquatic organisms. (Not necessary until July 2004 as this is a biocide product)
R52	Harmful to aquatic organisms (Not necessary until July 2004 as this is a biocide product)
R53	May cause long-term adverse effects to the aquatic organisms. (Not necessary until July 2004 as this is a biocide product)
R65	Harmful, may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R68	Possible risk of irreversible effects.

3. HAZARDS IDENTIFICATION

Contains Triethyleneglycol diamine. May produce an allergic reaction

Due to fragrance, Na Dichloroisocyanurate dihydrate and PolyoxyalkyleneamineD400: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Skin and eye contact: Contact with skin causes irritation. Contact with eyes causes risk of serious damage to eyes.

Ingestion: Ingestion causes irritation of the digestive system, nausea and possibly vomiting.

4. FIRST- AID MEASURES

Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes forcibly holding lids apart to ensure complete irrigation of all eye and lid tissue. Washing eyes within several seconds is essential to achieve maximum effectiveness. Seek medical attention immediately.

Skin Contact:

Wash off excess of product and flush with plenty of soap and water.

Ingestion:

If ingested, wash out mouth with water, do not induce vomiting. Seek immediate medical advice.

Inhalation:

Not relevant

5. FIRE- FIGHTING MEASURES

Specific Dangers:

The following hazardous gas may be formed in the event of a fire : chlorine and chlorine oxide gases. In case of fire, wear self contained breathing apparatus (SCBA). May give off toxic fumes (nitrogen trichloride) in a general conflagration. Use self- contained breathing apparatus

Extinguisher Type:

In case of fire or smoke, call the fire department. Do not attempt to extinguish the fire without a self contained breathing apparatus (SCBA). Do not let the fire burn. Flood with copious amount of water. Do not use ABC or other dry chemical extinguishers. Do not use dry chemical extinguisher containing ammonia compounds.

Hazard:

Self-sustaining decomposition with the evolution of heat and dense noxious gases. In addition, when in contact with another combustible material, this product contains a raw material which may increase the burning rate of the combustible material.

6. ACCIDENTAL RELEASE MEASURES

See also Sections 8 and 13

Personal Precautions:

Follow protective measures indicated in Section 8 and Disposal Considerations in Section 13.

Small Spillage:

Dispose of with normal household waste.

Medium and Large Spillage:

Do not add water to spilled material ; it may make floor very slippery. Wear impervious gloves / overalls and eye protection while cleaning up spillage. Do not wash into drains. Do not mix with other waste materials. Store in plastic drums and consult your local Water Authority, Environmental Protection Agency, local council or an expert for advice on disposal

7. HANDLING AND STORAGE

Handling

Wear gloves, protective clothing and goggles when handling bulk.

Storage

Store in a cool dry place away from children

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

See also Section 7

Occupational Exposure Limits:

Exposure Limits for the product : not established

Engineering Controls:

Avoid contact with skin and eyes

Personal Protection Equipment:

Respiratory Protection:

None necessary in well ventilated working areas under normal working conditions.

Hand Protection:

Wear chemical resistant gloves.

Eye Protection:

Wear safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid

Density: 1.35

Solubility: Soluble in water

pH: water pH in use

<u>Variant</u>	<u>Colour</u>	<u>Odour</u>
Marine	Light Green	Marine / Javel

10. STABILITY AND REACTIVITY

Stability:

Stable at ambient temperature and pressure under normal conditions. Do not package in paper or cardboard. The bleach begins to lose one mole of water @ 50°C. Product will decompose at elevated temperatures.

Conditions to Avoid:

Keep away from sources of heat and moisture.

Materials to Avoid:

Organic materials, reducing agents, nitrogen containing materials, other oxidisers, acids, bases, oils, grease, dry fire extinguishers containing monoammonium compounds.

Hazardous Decomposition Products:

Thermal decomposition giving toxic products (gaseous) : Chlorine or its oxides.

11. TOXICOLOGICAL INFORMATION

See also Section 2 and 3

The toxicology of this product is not known but it contains :

Na Dichloroisocyanurate Dihydrated:

Ingestion:	Harmful if swallowed Acute Oral LD50/rat = from 620 to 1400 mg/kg depending on the supplier
Skin contact:	Risk of cutaneous irritation in case of prolonged contact Acute Dermal LD50/rabbit > 2000 mg/kg
Eye contact:	Risk of ocular irritation
Rat inhalation	LC50 > 50 mg/m3/1 hour

Na Dodecylbenzenesulfonate:

Ingestion:	Not classified as Harmful if swallowed May cause some irritation of the mouth and the upper digestive tract Acute Oral LD50/rat = 2320 mg/kg
Skin contact:	Risk of cutaneous irritation in case of prolonged contact
Eye contact:	Risk of ocular irritation; In experimental studies, causes significant eye irritation with the possibility of persistent effects

Lauramide MEA:

Ingestion:	LD 50 (mice) > 2000 mg/kg Method OECD 401
Eye contact:	Risk of serious damage to eye (pure product) Not irritant in 5 % solution.
Skin contact:	Not irritant.

Distillates (Petroleum), Hydrotreated Light:

Ingestion:	Harmful if swallowed. May cause lung damage.
Skin contact:	Repeated exposure may cause skin dryness or cracking
Eye contact:	Will cause eye discomfort but will not injure eye tissue

12. ECOLOGICAL INFORMATION

See also Sections 6,7,13 and 15

This product is not classified as R50/53 but, some raw materials used in the product have the following environmental effect:

Na Dichloroisocyanurate Dihydrated:

LC50 (96hr)	Rainbow trout	0.37 ppm
LC50 (96hr)	Bluegil sunfish	0.43 ppm
LC50 (inhalation) (1hr)	Rat	> 50 mg
LD50 (oral)	Mallard duck	1916 mg/kg
	Rat	735 mg/kg
LD50 (dermal)	Rabbit	> 2000 mg/kg
8-Day Dietary LC50	Mallard duck	> 10 000 ppm
8-Day Dietary LC50	Bobwhite quail	> 10 000 ppm
Biodegradability:		> to 90 %

Na Dodecylbenzenesulfonate:

LC50	Fish	1-5 mg/l
LC50	Daphnia	15 mg/l
EC50	Algae	10-300 mg/l

Biodegradability:	
- Primary	OECD test 301 E = 95 %
- Total	MOST : 73-84 %
	GF : 55-65 %
	Sturm : 45-76 %

Lauramide MEA:

Biodegradability:	98 % readily biodegradable OECD
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Na Sulphate:

EC50 (24hr)	Daphnia magna	6800 mg/l
Not bioaccumulate		

Distillates (Petroleum), Hydrotreated Light

LC50 (96 hour)	Rainbow Trout	2900g/l
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Surfactants comply with 648/2004/EC requirements on biodegradability.

13. DISPOSAL CONSIDERATIONS

Consumer Instructions:

Packaging and product may be disposed of with normal household waste.

Bulk Quantities (Unsold stock):

Dispose of in accordance with local, regional or national requirements.

For further information contact your local waste authority.

14. TRANSPORT INFORMATION

Not classified as hazardous for international transport by land, sea or air.

National transport regulations may apply.

15. REGULATORY INFORMATION

This product is classified as dangerous for supply in the EU as follows:



Xi - IRRITANT

R41 Risk of serious damage to eyes

R38 Irritating to skin

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The following safety phrases appear on the pack copy:

S2	Keep out of the reach of children.
S24/25	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39	Wear eye/face protection.
S46	If swallowed, seek medical advice immediately and show this container or label.
P6:	Warning! Do not use with other products. May release dangerous gases (Chlorine).

Contains triethyleneglycol diamine, May produce an allergic reaction.

16. OTHER INFORMATION

This product contains amongst ingredients:
(according to 648/2004/EC)

Anionic surfactants: 30 % and more .

Non-ionic surfactants: 5 % to 15%.

Chlorine-based bleaching agents: less than 5%

www.rbeuroinfo.com

Data sources used in the preparation of this Safety Data Sheet :

Raw material supplier's Safety Data Sheets.

The following directives and regulation are relevant to the above classification and labelling of this product:

-Directive 1999/45/EC of the European Parliament and of the Council of 31 May 1999

-Commission Directive 2001/59/EC of 6 August 2001.

-Regulation 648/2004/EC concerning detergent products.

HARPIC is a trademark.

This document complements the technical usage instructions but does not replace them. The information contained herein is based on our best current technical knowledge of the product concerned, and is given in good faith. The attention of recipients is drawn to (amongst other things) the element of risk consequent to use of the product for a purpose other than that for which it was intended.

In no way does this document remove the need of the recipient of the product to fully understand and apply statutory requirements. It is the recipient's sole responsibility to take due precautions relative to the use made of the product.

All information contained herein is included only to assist the recipient in fulfilling his or her statutory duty connected with the use of hazardous materials.

This list of information must not be considered as exhaustive, and does not exonerate the recipient from taking other precautions described in documents other than those mentioned, concerning the storage and use of the product, for which he or she remains the sole person responsible