

Brilliant Peroxy Destainer

1 Identification of the substance/mixture and of the company undertaking*

1.1 Product Identifier	Product Name	Brilliant Peroxy Destainer	
	Product Codes	1496	
1.2 Relevant identified uses of the substance or mixture and uses advised against	Identified Uses of the substance/mixture	Laundry Destainer. Professional Use.	
	Uses advised against	None Identified	
1.3 Details of the supplier of the safety data sheet	Manufacturer/Distributor	RP Adam Ltd (Arpal Group) North Riverside Business Park, Riverside Road, Selkirk, TD7 5DU, United Kingdom	Tel. +44 (0) 1750 23780 Fax. +44 (0) 1750 21506 email salesinfo@rpadam.co.uk
1.4 Emergency Telephone Number	01750 23780 (office hours 0830hrs to 1700hrs Monday to Friday)		
	Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department, who may seek advice from the UK National Poisons Information Service, where our full product details are held.		

2 Hazards Identification*

2.1 Classification of Substance or mixture

Product Definition	Mixture
Classification according to Regulation (EC) No. 1272/2008	
Physical Hazards	No Significant Hazard
Human Health Hazards	Acute Tox 4 - H302 Eye Dam 1 – H318 Skin Irrit 2 – H315
Environmental Hazards	Aqua Chronic 3 – H412

2.2 Label Elements

Label Elements (In Accordance With (EC) No. 1272/2008)

Pictogram(s)



Signal Word

Danger
Contains hydrogen peroxide

Hazard Statements

H302 Harmful if swallowed
H318 Causes serious eye damage
H315 Causes skin irritation
H412 Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention	P280	Wear protective gloves, protective clothing and eye or face protection.
	P234	Keep only in original container.
Response	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.
	P310	Immediately call a POISON CENTER or doctor

2.3 Other hazards

Other hazards which do not result in classification Not applicable

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3 Composition/Information on Ingredients*

3.2 Mixtures

Product/Ingredient Name	Identifiers Index No/CAS/EC No	%	Classification	
			Regulation (EC) No. 1272/2008 [CLP]	Type
Hydrogen Peroxide	008-003-00-9 7722-84-1 231-765-0	30-50	Oxid. Liquid 1 (H271) Acute Tox. 4 (H302) Acute Tox. 4 (H332) Skin Corr. 1A (H314) STOT Single Exp 3 (H335) Aquatic Chronic 3 (H412)	1 2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section

Type	1	Substance classified with a health or environmental hazard
	2	Substance with a workplace exposure limit
	3	Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
	4	Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Occupational exposure limits, if available, are listed in Section 8.

4 First aid measures

4.1 Description of first aid measures

Eye Contact	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.
Inhalation	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.
Skin Contact	Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.
Ingestion	Immediately rinse mouth and provide fresh air. Drink plenty of water. DO NOT induce vomiting. Get medical attention immediately.
Protection of First Aider	Wear PPE if appropriate (Refer to section 8.2)

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Severe burns and irritation are most likely symptoms when there is exposure to skin, eyes and respiratory system. Not considered to cause sensitization. Further important symptoms and effects are so far not known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

Treat according to symptoms (decontamination, vital functions). Toxicological information on components, where available, is given in section 11.

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5 Fire fighting measures

5.1 Extinguishing media

Extinguishing media	Use fire-extinguishing media appropriate for surrounding materials. Keep containers cool with water spray.
Unsuitable extinguishing media	Dry chemical or foam

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	May explode in a fire. A powerful oxidiser which is combustible
Hazardous combustion products	During fire toxic gases, CO and CO ₂ are formed

5.3 Advice for fire-fighters

Special precautions for fire-fighters	Containers close to fire should be removed immediately or cooled with water. Wear self-contained breathing apparatus and full body protection
Special protective equipment for fire-fighters	Fire-fighters should wear self-contained breathing apparatus and suitable personal protective equipment as appropriate to the surrounding fire.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapour/spray/mist. Avoid contact with the skin, eyes and clothing. Use personal protective clothing. Information regarding personal protective measures see, section 8.

6.2 Environmental precautions

Do not discharge into drains/surface waters/groundwater. Contain contaminated water/fire fighting water.

6.3 Methods and material for containment and cleaning up

Small spill:	Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.
Large spill	Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. dry sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

7 Handling and storage

7.1 Precautions for safe handling

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Avoid alkalis, moisture, and combustible materials. Cleanliness is essential as any contamination may cause decomposition. Never return unused material to original containers. Eye wash facilities and emergency shower must be available when handling this product.

7.2 Conditions for safe storage, including any incompatibilities

Oxidising material - Keep away from flammable and combustible materials. Keep in original container. Keep away from heat, sparks and open flame. Store cool. Protect from light, including direct sunrays. Unsuitable containers: copper, zinc, aluminium, copper alloy, zinc alloy, aluminium alloy.

7.3 Specific end use(s)

Recommendations	Not specific advice available.
Industrial sector specific solutions	Not applicable.

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8 Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Product/ingredient name

Hydrogen Peroxide

Exposure limit values

WEL TWA – 8 hrs 1ppm 1.4mgm⁻³ STEL – 15 Mins 2ppm 2.8mgm⁻³

Derived effect levels

No DNELs available for the mixture

Predicted effect concentrations

No PNECs available for the mixture.

8.2 Exposure controls

Process conditions

Provide eyewash, quick drench.

Engineering Measures

The concentrated product is intended to be used via a dosing system to avoid splashes and contact with the skin. Wear appropriate PPE if contact is possible when connecting to dosing system. If airborne vapours or mists are generated provide adequate general and local exhaust ventilation to keep exposure below any statutory limits.

Personal Protective Equipment

Respiratory protection:

Not needed in normal use.

Hand protection

Wear chemical resistant protective gloves (EN 374)

Review condition of gloves when in use, especially for wear, cuts and breakthrough after prolonged contact.

Eye protection

Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:

Wear chemical resistant clothing and boots if exposure/splashing may occur. Other body protection may be suitable depending on activity and possible exposure, e.g. apron, chemical-protection suit (meeting EN 14605).

General safety and hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

9 Physical & chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Clear
Odour	Product specific.
Odour threshold	Not determined for the mixture.
pH value 20 Deg C	Not determined for the mixture.
Melting point/Freezing point	Not determined for the mixture.
Initial boiling point and boiling range	Not determined for the mixture.
Flash point	>100 deg C
Evaporation rate	Not determined for the mixture.
Flammability (solid, gas)	Not flammable.
Burning time	Not determined for the mixture.
Burning rate	Not determined for the mixture.
Upper/lower flammability or explosive limits	Not determined for the mixture.
Vapour pressure	Not determined for the mixture.
Relative density	1.128-1.138
Solubility(ies)	Readily soluble in cold and hot water
Partition coefficient: n-octanol/water	Not determined for the mixture.
Auto ignition temperature	Not determined for the mixture.
Decomposition temperature	Not determined for the mixture.
Viscosity	Not determined for the mixture.
Explosive properties	Not explosive
Oxidising properties	None

9.2 Other Information

No further relevant information available

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10 Stability and Reactivity

10.1 Reactivity	No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical Stability	Stable if product is stored and used correctly.
10.3 Possibility of hazardous reactions	Contact with alkaline products gives an exothermic reaction. Avoid contamination with organic substances. Can decompose violently when heated or in contact with heavy metals, aluminium, acids, bases and organic materials.
10.4 Conditions to avoid	Heating can release gases.
10.5 Incompatible materials	Organic matter, alkaline solutions, reducing agents, contamination by oxides of iron, including rust, copper, manganese, nickel and chromium
10.6 Hazardous decomposition products	Rapid decomposition will release large quantities of oxygen (health and fire risk). Decomposition is exothermic causing temperature rise which will further increase the rate of decomposition creating explosive situations. On decomposition irritating gases, vapours and oxygen are released..

11 Toxicology

11.1 Information on toxicological effects

Toxicological data for this mixture is not available as animal toxicity studies have not been carried out. Toxicological data for the raw materials is, where provided by the manufacturer, available on request.

12 Ecological information

12.1 Toxicity

Ecological Toxicity data for this mixture is not available as ecological toxicity studies have not been carried out. Ecological Toxicity data for the raw materials is, where provided by the manufacturer, available on request.

12.2 Persistence and degradability

Conclusion/Summary Any surfactants contained in the product are biodegradable according to the requirements of the detergent regulation 648/2004/EC

12.3 Bioaccumulative potential

Conclusion/Summary Not determined for the mixture.

12.4 Mobility in soil

Soil/water partition coefficient (KOC) Not determined for the mixture.

Mobility Not determined for the mixture.

12.5 Results of PBT and vPvB assessment

PBT Not applicable.

vPvB Not applicable.

12.6 Other adverse effects No known significant effects or critical hazards.

13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products Dispose of in compliance with all Federal, state, provincial, and local laws and regulations.
EWC Code 20 01 29* - detergents containing dangerous substances


Empty packaging recommendation: Dispose of observing national or local regulations. (Can be cleaned with water)
EWC Code 20 01 39

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14: Transport information				
	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number			2014	
14.2 UN proper shipping name	Hydrogen peroxide, aqueous solutions with not less than 20 percent but not more than 40 percent hydrogen peroxide (stabilized as necessary)			
14.3 Transport hazard class(es):				
14.4 Packing group	II			
14.5 Environmental hazards	None			
14.6 Special precautions for user	EMS F-H, S-Q Emergency Action Code 2P Hazard No. (ADR) 58 Tunnel Restriction Code (E)			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode	Product not transported bulk tanker			
Other relevant information (ADR)	Not required			

15: Regulatory information	
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
Ingredients according to EC Detergents Regulation 648/2004	
>30%	Oxygen-based bleaching agents
15.2 Chemical safety assessment	
A chemical safety assessment has not been carried out on the mixture	

16: Other information	
The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract	
Reason for revision:	Overall design adjusted in accordance with Regulation (EC) No 1907/2006, Annex II * Indicates section(s) where changes have been made
Full text of the H and EUH phrases mentioned in section 3	
H271	May cause fire or explosion; strong oxidizer
H302	Harmful if swallowed
H332	Harmful if inhaled
H314	Causes severe skin burns and eye damage
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects
Abbreviations and acronyms	
ATE	Acute Toxicity Estimate
CLP	Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
DNEL	Derived No Effect Level
EUH statement	CLP-specific Hazard statement
PNEC	Predicted No Effect Concentration
REACH No	REACH registration number, without supplier specific part