SAFETY DATA SHEET
WASHCHEMICAL Hydrogen Peroxide Destainer
According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	WASHCHEMICAL Hydrogen Peroxide Destainer
Product number	6755/22315
UFI	UFI: 4XPK-9052-T00Y-EPFX
CAS number	7722-84-1
EU index number	008-003-00-9
EC number	231-765-0

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Bleach

1.3. Details of the supplier of the safety data sheet

Supplier	WashCo Unit 11 Arnhem Road Newbury Berkshire RG14 5RU T: 08000 546 546

1.4. Emergency telephone number

Emergency telephone	WashCo: Tel: 08000 546 546 (Mon - Fri 9am-5pm)
National emergency telephone number	NHS Direct 111 (GB) National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Not Classified
Human health	Prolonged contact causes serious eye and tissue damage. May cause serious eye damage.
Environmental	The product is not expected to be hazardous to the environment.

2.2. Label elements

EC number	231-765-0

Hazard pictograms

Signal word	Danger
Hazard statements	H318 Causes serious eye damage.

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Precautionary statements	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 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/ doctor.
Contains	hydrogen peroxide solution ... %
Detergent labelling	15 - < 30% oxygen-based bleaching agents
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P330 Rinse mouth.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

hydrogen peroxide solution ... % 15-30%

CAS number: 7722-84-1 EC number: 231-765-0

Classification
Ox. Liq. 1 - H271
Acute Tox. 4 - H302
Acute Tox. 4 - H332
Skin Corr. 1A - H314
Eye Dam. 1 - H318
STOT SE 3 - H335

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if symptoms are severe or persist. Remove affected person from source of contamination.
Inhalation	Unlikely route of exposure as the product does not contain volatile substances. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Irritation of nose, throat and airway.
Ingestion	May cause chemical burns in mouth and throat. May cause stomach pain or vomiting. Nausea, vomiting. Diarrhoea. Ingestion of large amounts may cause unconsciousness.
Skin contact	May cause skin irritation.
Eye contact	Severe irritation, burning and tearing. Corneal damage. May cause blurred vision and serious eye damage.

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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards	Oxygen released in thermal decomposition may support combustion. Contact with combustible material may cause fire. Containers can burst violently or explode when heated, due to excessive pressure build-up. May explode when heated or when exposed to flames or sparks. Severe explosion hazard when vapours are exposed to flames. May form toxic or explosive vapours in presence of certain metals.
Hazardous combustion products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Oxygen.

5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions	Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Flush contaminated area with plenty of water. Inform authorities if large amounts are involved.

6.4. Reference to other sections

Reference to other sections	Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Handle all packages and containers carefully to minimise spills. Keep away from heat, sparks and open flame. Provide adequate ventilation. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Avoid contact with skin and eyes. Avoid contact with the following materials: Acids. Moisture. Oxidising agents. Reducing agents.
Advice on general occupational hygiene	Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Keep away from flammable and combustible materials. Protect against physical damage and/or friction. May attack some plastics, rubber and coatings. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

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Storage class	Oxidiser storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Long-term exposure limit (8-hour TWA): WEL 1 ppm
Short-term exposure limit (15-minute): WEL 2 ppm

hydrogen peroxide solution ... %

Long-term exposure limit (8-hour TWA): WEL 1 ppm 1.4 mg/m³
Short-term exposure limit (15-minute): WEL 2 ppm 2.8 mg/m³
WEL = Workplace Exposure Limit.

DNEL	Workers - Inhalation; Short term local effects: 3 mg/m³ Workers - Inhalation; Long term local effects: 1.4 mg/m³ General population - Inhalation; Short term local effects: 1.93 mg/m³ General population - Inhalation; Long term local effects: 0.21 mg/m³
PNEC	- Fresh water; 0.0126 mg/l - marine water; 0.0126 mg/l - Intermittent release; 0.0138 mg/l - Sediment; 0.047 mg/kg dw - Soil; 0.0019 mg/kg - STP; 4.66 mg/l

hydrogen peroxide solution ... % (CAS: 7722-84-1)

DNEL	Workers - Inhalation; Short term local effects: 3 mg/m³ Workers - Inhalation; Long term systemic effects: 1.4 mg/m³ Consumer - Inhalation; Short term local effects: 1.93 mg/m³ Consumer - Inhalation; Long term systemic effects: 0.21 mg/m³
PNEC	- Fresh water; 0.0126 mg/l - marine water; 0.0126 mg/l - Intermittent release; 0.0138 mg/l - STP; 4.66 mg/l - Sediment (Freshwater); 0.47 mg/kg - Sediment (Marinewater); 0.47 mg/kg - Soil; 0.0023 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate ventilation if the airborne contamination exceeds occupational exposure limits
Eye/face protection	Safety glasses with side-shields (EN 166).
Hand protection	Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Other skin and body protection	Wear suitable protective clothing (EN14605)

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Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. In the case of dust or aerosol formation, use respirator with an approved filter. Recommended Filter type: ABEK-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless.
Odour	Characteristic.
pH	pH (concentrated solution): 2-3
Melting point	0°C
Initial boiling point and range	100°C @ 760 mm Hg
Vapour pressure	18 hPa @ 20°C
Vapour density	~ 1.20
Relative density	~ 1.05 @ @ 20°C
Solubility(ies)	Miscible with water. Soluble in the following materials: Ether.
Partition coefficient	log Kow: -1.57

9.2. Other information

Molecular weight	34.02

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	The following materials may react with the product: Acids. Alkalis. Organic peroxides/hydroperoxides. Organic salts. Oxidising materials. Strong reducing agents. Organic compounds. Some metals.

10.2. Chemical stability

Stability	Avoid the following conditions: Heat, sparks, flames. Shocks and physical damage. Moisture. Light. Avoid contact with alkalis. Avoid contact with flammable/combustible materials.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise. Contact with combustible material may cause fire

10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid	Alkalis - inorganic. Strong reducing agents. Massive, solid metal. Powdered metal. Organic compounds - aliphatic. Organic - alicyclic. Organic compounds - aromatic. Organic - polycyclic. Organic - heterocyclic. Organic - organometallic. Flammable/combustible materials. Hydrocarbons - halogenated. Organic salts. Organic nitro compounds.

10.6. Hazardous decomposition products

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. Decomposition will not occur if product is stored and used correctly.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity - oral	
Notes (oral LD_{50})	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	2,857.14
Acute toxicity - dermal	
Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
Acute toxicity - inhalation	
Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.
ATE inhalation (gases ppm)	25,714.29
ATE inhalation (vapours mg/l)	62.86
ATE inhalation (dusts/mists mg/l)	8.57
Skin corrosion/irritation	
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation	
Serious eye damage/irritation	Causes serious eye damage.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Carcinogenicity	
Carcinogenicity	Based on available data the classification criteria are not met.
IARC carcinogenicity	None of the ingredients are listed or exempt.
Reproductive toxicity	
Reproductive toxicity - fertility	Based on available data the classification criteria are not met.
Reproductive toxicity - development	Based on available data the classification criteria are not met.
Specific target organ toxicity - single exposure	
STOT - single exposure	Not classified as a specific target organ toxicant after a single exposure.
Specific target organ toxicity - repeated exposure	
STOT - repeated exposure	Not classified as a specific target organ toxicant after repeated exposure.
Aspiration hazard	
Aspiration hazard	Based on available data the classification criteria are not met.

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	Swallowing concentrated chemical may cause severe internal injury.
Skin contact	Irritating to skin. Prolonged contact may cause burns.
Eye contact	Risk of serious damage to eyes. May cause chemical eye burns.
Acute and chronic health hazards	Symptoms following overexposure may include the following: Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Repeated exposure may cause chronic eye irritation.

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Route of exposure	Skin and/or eye contact Ingestion.
Target organs	Eyes Respiratory system, lungs Skin
Medical symptoms	Severe irritation, burning and tearing. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Severe skin irritation. Nausea, vomiting.
Medical considerations	Skin disorders and allergies.

Toxicological information on ingredients.

hydrogen peroxide solution ... %

Acute toxicity - oral	
ATE oral (mg/kg)	500.0
Carcinogenicity	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
Inhalation	May cause respiratory irritation.
Ingestion	Harmful if swallowed.
Skin contact	Irritating to skin.
Eye contact	Risk of serious damage to eyes.

SECTION 12: Ecological information

Ecotoxicity	The product is mildly toxic to aquatic organisms.

Ecological information on ingredients.

hydrogen peroxide solution ... %

Ecotoxicity	The product is mildly toxic to aquatic organisms.

12.1. Toxicity

Toxicity	The product is mildly toxic to aquatic organisms.

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 16.4 mg/l, Pimephales promelas (Fat-head Minnow) LC_{50}, 96 hours: 35 mg/l, Leuciscus idus (Golden orfe)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 2.4 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours: 1.38 mg/l, Skeletonema costatum EC_{50}, 72 hours: 4.3 mg/l, Freshwater algae
Acute toxicity - microorganisms	EC_{50}, 16 hours: 11 mg/l, PSEUDOMONAS PUTIDA

Ecological information on ingredients.

hydrogen peroxide solution ... %

Acute aquatic toxicity	
Acute toxicity - fish	LC_{50}, 96 hours: 16.4 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 2.4 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 3.7 to 160 mg/l, Algae

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12.2. Persistence and degradability

Persistence and degradability: Expected to be readily biodegradable.

Ecological information on ingredients.

hydrogen peroxide solution ... %

Persistence and degradability: Readily biodegradable but will inhibit action of biological treatment plant.

12.3. Bioaccumulative potential

Bioaccumulative potential: The product is not bioaccumulating.

Partition coefficient: log Kow: -1.57

Ecological information on ingredients.

hydrogen peroxide solution ... %

Bioaccumulative potential: The product is not bioaccumulating.

12.4. Mobility in soil

Mobility: The product is soluble in water.

Ecological information on ingredients.

hydrogen peroxide solution ... %

Mobility: The product is non-volatile. The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects: None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods: Dispose of in accordance with Local Authority regulations as special waste according to The Control of Special Waste Regulations 1996.

EURAL Code

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID): 2984

UN No. (IMDG): 2984

UN No. (ICAO): 2984

UN No. (ADN): 2984

14.2. UN proper shipping name

Proper shipping name (ADR/RID): HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (IMDG): HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (ICAO): HYDROGEN PEROXIDE, AQUEOUS SOLUTION

Proper shipping name (ADN): HYDROGEN PEROXIDE, AQUEOUS SOLUTION

14.3. Transport hazard class(es)

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ADR/RID class	5.1
ADR/RID classification code	O1
ADR/RID label	5.1
IMDG class	5.1
ICAO class/division	5.1
ADN class	5.1

Transport labels

14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-H, S-Q
ADR transport category	3
Emergency Action Code	2R
Hazard Identification Number (ADR/RID)	50
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Revision comments	Revision is due to addition of Transport Information.
Revision date	03/12/2021
Revision	7
Supersedes date	01/07/2021
SDS number	6755/22315

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Hazard statements in full

H271 May cause fire or explosion; strong oxidiser.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.