

# Ariel Professional System - S8 SC HyrdOxi Stainbuster. Additive to remove tough stains at high temperatures (60-95°C)

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 18/09/2015

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Version: 1.2

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

#### 1.1. Product identifier

Product form : Mixture  
 Trade name : Ariel Professional System - S8 SC HyrdOxi Stainbuster. Additive to remove tough stains at high temperatures (60-95°C)  
 Product code : PA00174730  
 Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
 Function or use category : Washing and cleaning products (including solvent based products), Biocidal products (e.g. Disinfectants, pest control)

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK

Tel: 01932 896000 Fax: 01932 896200

Professional: customerservice@pgprof.com

#### 1.4. Emergency telephone number

Emergency number : (UK) Emergency Tel: 0800 328 8304(IRL) Emergency Tel: 1800 509 497

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4 (Oral) H302

Eye Dam. 1 H318

Full text of H-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H302 - Harmful if swallowed  
 H318 - Causes serious eye damage.

Precautionary statements (CLP) :

P101 - If medical advice is needed, have product container or label at hand  
 P102 - Keep out of reach of children  
 P280 - Wear protective gloves and eye protection  
 P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell  
 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

#### 2.3. Other hazards

Other hazards not contributing to the classification

: No presence of PBT and vPvB ingredients.

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrogen Peroxide	(CAS No) 7722-84-1 (EC no) 231-765-0 (EC index no) 008-003-00-9 (REACH-no) 01-2119485845-22	10 - 20	Ox. Liq. 1, H271 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:vapour), H332 Skin Corr. 1A, H314 STOT SE 3, H335 Aquatic Chronic 3, H412

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation	: IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of Water. Remove/Take off immediately all contaminated clothing. Immediately call a POISON CENTER or doctor/physician. Discontinue use of product.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Drink small amount of water to dilute. Immediately call a POISON CENTER or doctor/physician.

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

Symptoms/injuries after inhalation	: Coughing. sneezing.
Symptoms/injuries after skin contact	: Redness. Swelling. dryness. Itching.
Symptoms/injuries after eye contact	: Severe pain. Redness. Swelling. Blurred vision.
Symptoms/injuries after ingestion	: Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea.

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

Refer to section 4.1.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>).

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard. Non combustible.
Explosion hazard	: Product is not explosive.
Reactivity	: May cause or intensify fire; oxidizer. Contact with combustible material may cause fire.

#### 5.3. Advice for firefighters

Firefighting instructions	: No specific firefighting instructions required.
Protection during firefighting	: In case of inadequate ventilation wear respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection.

##### 6.1.2. For emergency responders

Protective equipment : Wear suitable gloves and eye/face protection.

#### 6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Scoop absorbed substance into closing containers.
Methods for cleaning up	: Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Large spills: contain released substance, pump into suitable containers. This material and its container must be disposed of in a safe way, and as per local legislation. Small quantities of solid spill: wash down with water.

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Other information : Avoid contact with skin, eyes and clothing.

### 6.4. Reference to other sections

Refer to Sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Avoid contact with eyes. Do not handle until all safety precautions have been read and understood.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Refer to section 10.  
Incompatible products : Refer to section 10.  
Incompatible materials : Refer to section 10.  
Prohibitions on mixed storage : Not applicable.  
Storage area : Store in a cool and well-ventilated place. Store in a dry area. Store away from heat. Keep away from ignition sources.

### 7.3. Specific end use(s)

Refer to section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. National limit values

Hydrogen Peroxide (7722-84-1)		
United Kingdom	WEL TWA (mg/m <sup>3</sup> )	1.4 mg/m <sup>3</sup>
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m <sup>3</sup> )	2.8 mg/m <sup>3</sup>
United Kingdom	WEL STEL (ppm)	2 ppm

#### 8.1.2. Monitoring procedures: DNELS, PNECS, OEL

Hydrogen Peroxide (7722-84-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	3 mg/m <sup>3</sup>
Long-term - local effects, inhalation	1.4 mg/m <sup>3</sup>
DNEL/DMEL (General population)	
Acute - local effects, inhalation	1.93 mg/m <sup>3</sup>
Long-term - local effects, inhalation	0.21 mg/m <sup>3</sup>
PNEC (Water)	
PNEC aqua (freshwater)	0.0126 mg/l
PNEC aqua (marine water)	0.0126 mg/l
PNEC aqua (intermittent, freshwater)	0.0138 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0.047 mg/kg dwt
PNEC sediment (marine water)	0.047 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.0023 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4.66 mg/l

### 8.2. Exposure controls

- 8.2.1. Appropriate engineering controls : No additional information available
- 8.2.2. Personal protective equipment
- Eye protection : Wear eye/face protection.
  - Skin and body protection : Wear suitable protective clothing.
  - Respiratory protection : Not applicable.
  - Thermal hazard protection : Not applicable.
- 8.2.3. Environmental exposure controls
- Prevent that the undiluted product reaches surface waters.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Property	Value	Unit	Test method/Notes
Appearance	Liquid.		
Physical state	Liquid		
Colour	Colourless.		
Odour	pleasant (perfume).		
Odour threshold		ppm	Perceived odor at typical use conditions
pH	2.5 - 5		
Melting point		°C	Not available. This property is not relevant for the safety and classification of this product
Freezing point			Not available. This property is not relevant for the safety and classification of this product
Boiling point	No data available		
Flash point	≥ 60	°C	
Relative evaporation rate (butylacetate=1)			Not available. This property is not relevant for the safety and classification of this product
Flammability (solid, gas)			Not applicable. This property is not relevant for liquid product forms
Explosive limits		g/m <sup>3</sup>	Not available. This property is not relevant for the safety and classification of this product
Vapour pressure			Not available. This property is not relevant for the safety and classification of this product
Relative density	1.07		
Solubility	Soluble in water.		
Log Pow			Not applicable. This property is not relevant for mixtures
Auto-ignition temperature			Not available. This property is not relevant for the safety and classification of this product
Decomposition temperature		°C	Not available. This property is not relevant for the safety and classification of this product
Viscosity	No data available		
Explosive properties	Not applicable. This product is not classified as explosive as it does not contain any substances which possesses explosive properties CLP (Art 14 (2)).		
Oxidising properties	Not applicable. This product is not classified as oxidizing as it does not contain any substances which possesses oxidizing properties CLP (Art 14 (2)).		

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

May cause or intensify fire; oxidizer. Contact with combustible material may cause fire.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

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### 10.4. Conditions to avoid

Not required for normal conditions of use.

### 10.5. Incompatible materials

combustible materials.

### 10.6. Hazardous decomposition products

None under normal use.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### 11.1.1. Mixture

Ariel Professional System - S8 SC HyrdOxi Stainbuster. Additive to remove tough stains at high temperatures (60-95°C)	
Acute toxicity	Oral: Harmful if swallowed.
Skin corrosion/irritation	Not classified (*)
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Not classified (*)
Germ cell mutagenicity	Not classified (*)
Carcinogenicity	Not classified (*)
Reproductive toxicity	Not classified (*)
Specific target organ toxicity (single exposure)	Not classified (*)
Specific target organ toxicity (repeated exposure)	Not classified (*)
Aspiration hazard	Not classified (*)

(\*) Based upon available data of the substances and/or the product, product classification criteria are not met. See Section 2 and Section 16 for applicable hazard classification and classification procedure, respectively.

#### 11.1.2. Substances in the mixture

Acute toxicity:

Hydrogen Peroxide (7722-84-1)	
LD50 oral rat	693.7 mg/kg OECD 401
LD50 dermal rabbit	> 2,000 mg/kg

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hydrogen Peroxide (7722-84-1)	
LC50 fishes 1	16.4 mg/l Pimephales promelas; 96 h
EC50 Daphnia 1	2.4 mg/l Daphnia pulex; 48 h
EC50 other aquatic organisms 1	> 1000 mg/l OECD 209; 3 h
ErC50 (algae)	1.38 mg/l Skeletonema costatum; 72 h

### 12.2. Persistence and degradability

Hydrogen Peroxide (7722-84-1)	
Persistence and degradability	Biodegradable.
Biodegradation	> 99 % O <sub>2</sub> ; 0.02 d; OECD 209; > 60% (10 d)

### 12.3. Bioaccumulative potential

Hydrogen Peroxide (7722-84-1)	
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Ariel Professional System - S8 SC HyrdOxi Stainbuster. Additive to remove tough stains at high temperatures (60-95°C)	
Results of PBT assessment	No presence of PBT and vPvB ingredients
<b>Component</b>	
Hydrogen Peroxide (7722-84-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

- 13.1.1. Regional legislation (waste) : Disposal must be done according to official regulations.
- 13.1.2. Disposal recommendations : The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.
- 13.1.3. EURAL Waste code product : 20 01 29\* - detergents containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

### 14.1. UN number

- UN-No : 2984  
UN-No. (ICAO) : 2984

### 14.2. UN proper shipping name

- Proper Shipping Name : HYDROGEN PEROXIDE, AQUEOUS SOLUTION  
Transport document description (ADR) : UN 2984 HYDROGEN PEROXIDE, AQUEOUS SOLUTION, 5.1, III, (E)

### 14.3. Transport hazard class(es)

- Class (UN) : 5.1  
Class (ICAO) : 5.1 - Oxidizing substances  
Danger labels (UN) : 5.1



### 14.4. Packing group

- Packing group (UN) : III

### 14.5. Environmental hazards

- Other information : No supplementary information available.

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

- Transport regulations (RID) : Subject to the provisions  
Hazard identification number (Kemler No.) : 50  
Classification code (UN) : O1  
Orange plates :



- Special provisions (ADR) : 65  
Transport category (ADR) : 3  
Tunnel restriction code : E  
Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E1  
EAC code : 2R

#### 14.6.2. Transport by sea

- Transport regulations (IMDG) : Subject to the provisions

#### 14.6.3. Air transport

- Transport regulations (IATA) : Subject to the provisions

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### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

Ingredient label : 15-30% Oxygen-based bleaching agents; Disinfectants.

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

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

CESIO recommendations : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Other information, restriction and prohibition regulations : Classification according to Regulation (EC) No. 1272/2008 [CLP]. Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. Regulation (EC) No. 648/2004 of 31 March 2004 on detergents. Biocide Directive (98/8/EC).

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

### 16.1. Indication of changes

Indication of changes : Change in SECTION 2: Hazards identification  
Change in SECTION 1: Identification of the substance/mixture and of the company/undertaking  
Change in SECTION 12: Ecological information  
Change in SECTION 15: Regulatory information  
Change in SECTION 16: Other information

### 16.2. Abbreviations and acronyms

LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC(s): Predicted No Effect Concentration(s). vPvB: Very Persistent and Very Bioaccumulative. AND: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ATE: Acute Toxicity Estimate.

### 16.3. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No. 1272/2008 [CLP]	classification procedure
Acute Tox. 4 (Oral)	Calculation method
Eye Dam. 1	Calculation method

### 16.4. Relevant R-phrases and/or H-statements (number and full text) for mixture and substances

Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Ox. Liq. 1	Oxidising Liquids, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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
H412	Harmful to aquatic life with long lasting effects.

### 16.5. Training advice

Normal use of this product shall imply use in accordance with the instructions on the packaging.

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### 16.6. Further information

Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V

SDS P&G CLP

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*