

## Dual Action Foamer

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name Dual Action Foamer  
Unique Formula Identifier (UFI) 0RUJ-Y3DG-H00H-EKH9

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

Identified Use(s) Foamer.  
Uses Advised Against Not known.

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

Company Identification Solent Group  
Address of Supplier The Pump House,  
16 Queens Ave.,  
Christchurch, Dorset,  
BH23 1BZ,  
United Kingdom  
Telephone +44 (0)1202 490500  
Fax +44 (0)1202 489533  
E-mail Anne.Hilton@solentgroup.co.uk

#### 1.4 Emergency telephone number

Company (United Kingdom) +44 (0)1202 490500  
National response centre  
Address NHS Direct  
Emergency Phone No. +44 111

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 Acute Tox. 4 :Harmful if swallowed.  
Skin Corr. 1B :Causes severe skin burns and eye damage.  
Eye Dam. 1 :Causes serious eye damage.  
STOT SE 3 :May cause respiratory irritation.  
Aquatic Acute 1 :Very toxic to aquatic life.  
Aquatic Chronic 2 :Toxic to aquatic life with long lasting effects.

#### 2.2 Label elements

According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567  
Product Name Dual Action Foamer

Hazard Pictogram(s)



GHS05  
Danger



GHS07



GHS09

Signal Word(s)

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Hazard Statement(s)	<p>H302: Harmful if swallowed.</p> <p>H314: Causes severe skin burns and eye damage.</p> <p>H335: May cause respiratory irritation.</p> <p>H410: Very toxic to aquatic life with long lasting effects.</p> <p>EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).</p> <p>EUH208: Contains: (bis (8-hydroxyquinolinium) sulphate) May produce an allergic reaction.</p>
Precautionary Statement(s)	<p>P260: Do not breathe vapour.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310: Immediately call a POISON CENTRE/doctor.</p>
Unique Formula Identifier (UFI)	0RUJ-Y3DG-H00H-EKH9

### 2.3 Other hazards

None known.

### 2.4 Additional Information

For full text of H/P Statements see section 16.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable.

### 3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / Registration number(s)	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Sodium hypochlorite	7681-52-9	231-668-3	<5	Met. Corr. 1 H290 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT SE 3 H335 Aquatic Acute 1 H400 Aquatic Chronic 1 H410 EUH031	GHS05 GHS07 GHS09
Hydrogen peroxide solution	7722-84-1	231-765-0	<5	Ox. Liq. 1 H271 Acute Tox. 4 H302 Skin Corr. 1A H314 Eye Dam. 1 H318 Acute Tox. 4 H332 STOT SE 3 H335 Aquatic Chronic 3 H412	GHS03 GHS05 GHS07

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Silicic acid, sodium salt	1344-09-8	215-687-4	≤0.15	Met. Corr. 1 H290 Skin Corr. 1B H314 Eye Dam. 1 H318 STOT SE 3 H335	GHS05 GHS07
sodium hydroxide	1310-73-2	215-185-5	≤0.15	Met. Corr. 1 H290 Skin Corr. 1A H314 Eye Dam. 1 H318	GHS05
bis (8-hydroxyquinolinium) sulphate	134-31-6	205-137-1	≤0.15	Acute Tox. 3 H301 Skin Sens. 1 H317 Eye Dam. 1 H318 Repr. 2 H361 Aquatic Chronic 2 H411	GHS06 GHS05 GHS08 GHS07 GHS09
Etidronic acid	2809-21-4	220-552-8	≤0.1	Met. Corr. 1 H290 Acute Tox. 4 H302 Eye Dam. 1 H318	GHS05 GHS07
Sodium dodecyl sulphate	151-21-3	205-788-1	≤0.075	Flam. Sol. 2 H228 Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Dam. 1 H318 Acute Tox. 4 H332 STOT SE 3 H335 Aquatic Chronic 3 H412	GHS02 GHS05 GHS07
potassium hydroxide	1310-58-3	215-181-3	≤0.05	Met. Corr. 1 H290 Acute Tox. 4 H302 Skin Corr. 1A H314	GHS05 GHS07
Sodium bisulphite 30-40%	7631-90-5	231-548-0	≤0.05	Acute Tox. 4 H302 EUH031	GHS07

For full text of H/P Statements see section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE/doctor.
Skin Contact	Take off immediately all contaminated clothing. Wash contaminated clothing before reuse. Rinse skin with water. Immediately call a POISON CENTRE/doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE/doctor.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

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

Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation.

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

Unlikely to be required but if necessary treat symptomatically.

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### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None known.

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

May decompose in a fire, giving off toxic and irritant vapours.

#### 5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Ensure full personal protection (including respiratory protection) during removal of spillages.

#### 6.2 Environmental precautions

Avoid release to the environment.

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

Adsorb spillages onto sand, earth or any suitable adsorbent material. Collect spillage. Transfer to a container for disposal.

#### 6.4 Reference to other sections

See Also Section 8, 13.

### SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Ensure adequate ventilation. Do not breathe vapour. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Keep out of reach of children.

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

Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Storage temperature Ambient.

Storage life Stable under normal conditions.

Incompatible materials Strongly acidic, Strongly alkaline.

#### 7.3 Specific end use(s)

Foamer.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

## Dual Action Foamer

### 8.1.1 Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Hydrogen peroxide	7722-84-1	1	1.4	2	2.8	
Sodium hydroxide	1310-73-2				2	
Potassium hydroxide	1310-58-3				2	
Sodium hydrogen sulphite	7631-90-5		5			

Region Source  
United Kingdom UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

## 8.2 Exposure controls

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

### 8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).  
Wear: Butyl rubber, Neoprene, Nitrile rubber (thickness of coating >0.3mm,  
Breakthrough time 480 minutes.



Respiratory protection

Wear suitable respiratory protective equipment.



Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Avoid release to the environment.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid. Colour : Colourless.
Odour	Pungent odour.
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	100° C (Water)
Flash Point	>93° C
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	Not known.

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Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Soluble in water. Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (° C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

### 9.2 Other information

None.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under normal conditions.

### 10.2 Chemical Stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

### 10.4 Conditions to avoid

Heat and direct sunlight.  
Do not use together with other products. May release dangerous gases (chlorine).

### 10.5 Incompatible materials

Strongly acidic, Strongly alkaline.

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity - Ingestion	Calculation method : Harmful if swallowed. Calculation method : Calculated acute toxicity estimate (ATE) - 477.41
Acute toxicity - Skin Contact	Calculation method : Not classified. Low acute toxicity.
Acute toxicity - Inhalation	Calculation method : Not classified. Low acute toxicity. Calculation method : Calculated acute toxicity estimate (ATE) - 389.38
Skin corrosion/irritation	Calculation method : Causes severe skin burns. No data.
Serious eye damage/irritation	Calculation method : Causes serious eye damage. No data.
Skin sensitization data	Calculation method : Not classified. Contains: (bis (8-hydroxyquinolinium) sulphate) May produce an allergic reaction.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified. There is no evidence of mutagenic potential.
Carcinogenicity	Calculation method : Not classified. No evidence of carcinogenicity.
Reproductive toxicity	Calculation method : Not classified.

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Lactation	No evidence of reproductive effects.
STOT - single exposure	Calculation method : Not classified.
STOT - repeated exposure	Calculation method : May cause respiratory irritation. No data.
Aspiration hazard	Calculation method : Not classified.
<b>11.2 Other information</b>	
	Not known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

	Very toxic to aquatic life with long lasting effects.
Toxicity - Aquatic invertebrates	No data.
Toxicity - Fish	No data.
Toxicity - Algae	No data.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

Soluble in water. The product is predicted to have high mobility in soil.

### 12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

### 12.6 Other adverse effects

Not known.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose of this material and its container as hazardous waste. Dispose of empty containers and wastes safely.

### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

UN No.	1760
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### 14.2 UN proper shipping name

UN proper shipping name	CORROSIVE LIQUID, N.O.S. (Contains: Sodium hypochlorite, Hydrogen peroxide solution)
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### 14.3 Transport hazard class(es)

#### ADR/RID

ADR/RID Class	8
ADR Classification Code	C9
Special Provisions	274
Limited Quantities	1 L
Excepted Quantities	E2
Emergency Action Code	2X
Mixed Packing Instructions for Packages	P001 IBC02
Mixed Packing Instructions for Packages	MP15
Packing Instructions for Portable Tanks	T11
Special Provisions for Portable Tanks	TP2 TP27
Tank Code for Tanks	L4BN
Vehicle for Tank Carriage	AT
ADR Transport Category	2
Tunnel Restriction Code	E
ADR HIN	80

#### IMDG

IMDG Class	8
Special Provisions	274
Limited Quantities	1 L
Excepted Quantities	E2
Mixed Packing Instructions for Packages	P001 IBC02
Packing Instructions for Portable Tanks	T11
Special Provisions for Portable Tanks	TP2 TP27
IMDG EMS	F-A, S-B
Stowage and Handling	Category B SW2

#### ICAO/IATA

IATA Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (Contains: Sodium hypochlorite, solution 10-11% Cl active, Hydrogen peroxide solution)
Excepted Quantities	E2
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y840
Passenger and Cargo Aircraft Limited Quantities Max net Qty	0.5L
Passenger and Cargo Aircraft Packing Instructions	851
Passenger and Cargo Aircraft Max net Qty	1L
Cargo Aircraft Packing Instructions	855
Cargo Aircraft Max net Qty	30L
Special Provisions	A3, A803
Emergency Response Guidebook (ERG) Code	8L
Labels	



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Labels

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### 14.4 Packing group

Packing group

II

### 14.5 Environmental hazards

Environmental hazards

Classified as a Marine Pollutant.

### 14.6 Special precautions for user

Special precautions for user

Not known.

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

No information available

## SECTION 15: REGULATORY INFORMATION

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

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of

Not listed

Substances of Very High Concern for

Authorisation

UK REACH Authorisation List (Annex

Not listed

XIV) list of substances subject to

authorisation

UK REACH Restrictions List (Annex

Sodium hypochlorite, solution (7681-52-9), Hydrogen peroxide (7722-84-1),

XVII) Restrictions on the manufacture, Silicic acid, sodium salt (1344-09-8), Etidronic acid (2809-21-4)

placing on the market and use of certain

dangerous substances, mixtures and

articles

UK REACH Rolling Action Plan (RAP)

Not listed

The Persistent Organic Pollutants

Not listed

Regulations 2007 (SI 2007/3106) as

amended

The Ozone-Depleting Substances and

Not listed

Fluorinated Greenhouse Gases

(Amendment etc.) (EU Exit) Regulations

2019 (SI 2019/583)

The Prior Informed Consent (PIC)

Not listed

Regulations concerning the export and

import of hazardous chemicals

SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan

Not listed

(CoRAP)

### 15.2 Chemical Safety Assessment

United Kingdom

Not applicable.

## SECTION 16: OTHER INFORMATION

## Dual Action Foamer

The following sections contain revisions or new statements: 1-16

### LEGEND

Hazard Pictogram(s)



GHS05



GHS07



GHS09

GHS02: GHS: Flame  
GHS03: GHS: Flame over circle  
GHS06: GHS: Skull and crossbones  
GHS08: GHS: Health hazard

Hazard classification

Flam. Sol. 2 : Flammable solid, Category 2  
Ox. Liq. 1 : Oxidising liquid, Category 1  
Met. Corr. 1 : Substance or mixture corrosive to metals, Category 1  
Acute Tox. 3 : Acute toxicity, Category 3  
Acute Tox. 4 : Acute toxicity, Category 4  
Skin Corr. 1A : Skin corrosion/irritation, Category 1A  
Skin Corr. 1B : Skin corrosion/irritation, Category 1B  
Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
Skin Sens. 1 : Skin sensitization, Category 1  
Eye Dam. 1 : Serious eye damage/irritation, Category 1  
Eye Irrit. 2 : Serious eye damage/irritation, Category 2  
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3  
Repr. 2 : Reproductive toxicity, Category 2  
Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1  
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1  
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2  
Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H228: Flammable solid.  
H271: May cause fire or explosion; strong oxidiser.  
H290: May be corrosive to metals.  
H301: Toxic if swallowed.  
H302: Harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H332: Harmful if inhaled.  
H335: May cause respiratory irritation.  
H361: Suspected of damaging fertility or the unborn child.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
H411: Toxic to aquatic life with long lasting effects.

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H412: Harmful to aquatic life with long lasting effects.  
 EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).  
 EUH031: Contact with acids liberates toxic gas.

### Precautionary Statement(s)

P260: Do not breathe vapour.  
 P264: Wash hands and exposed skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P312: IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.  
 P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 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 CENTRE/doctor.  
 P330: Rinse mouth.  
 P363: Wash contaminated clothing before reuse.  
 P391: Collect spillage.  
 P405: Store locked up.  
 P501: Dispose of contents in accordance with local, state or national legislation.

### Acronyms

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ATE : Acute Toxicity Estimate  
 CAS : Chemical Abstracts Service  
 EC : European Community  
 IATA : International Air Transport Association  
 IBC : Intermediate Bulk Container  
 ICAO : International Civil Aviation Organization  
 IMDG : International Maritime Dangerous Goods  
 LTEL : Long term exposure limit  
 PBT : Persistent, Bioaccumulative and Toxic  
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
 RID : Regulations concerning the International Carriage of Dangerous Goods by Rail  
 STEL : Short term exposure limit  
 STOT : Specific Target Organ Toxicity  
 UN : United Nations  
 vPvB : very Persistent and very Bioaccumulative

### Key literature references and sources for data used to compile the SDS

GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

## Dual Action Foamer

### Disclaimers

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