

## Section 1. Product and Company Identification.

**1.1 Model Number;** DL60 v1  
**1.2 Description;** Spa & Hot Tub Flush Cleaner - 500ml

**1.3 Manufacturer;**

Sealey Group.  
Kempson Way,  
Bury St. Edmunds,  
Suffolk.  
IP32 7AR

**1.4 Emergency telephone number;** 44 (0) 1284 757 500 (Office Hours)

**Date of source compilation;** 07/06/2019

## Section 2. Hazards Identification.

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

Causes severe skin burns and eye damage

**2.2 Label elements.**

**Hazard pictogram(s)**



**Signal Word.** Danger

**Hazard statements;**

Causes severe skin burns and eye damage

**Precautionary statements;**

Keep out of reach of children.

Do not get in eyes, on skin, or on clothing.

Wear protective gloves/protective clothing/eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

**2.3 Other hazards.**

Not identified as a PBT/vPvB substance.

## Section 3. Substances.

3.1 Chemical Name (substance)	3.1 CAS No.	3.2 Concentration Weight	Classification	
			Hazard Class & Category Code	Hazard Statements <sup>1</sup>
Sulphuric Acid	7664-93-9	1 – 10 %	Skin Corr. 1A	H314
Phosphoric acid	7664-38-2	1 – 10 %	Skin Corr. 1B	H314

<sup>1</sup>For full text of Statements, see Section 16.

## Section 4. First Aid Measures.

### 4.1 Description of first aid measures

#### Inhalation

Remove casualty from exposure ensuring one's own safety whilst doing so.

#### Skin Contact

Remove all contaminated clothes and footwear immediately unless stuck to skin.

Wash immediately with plenty of soap and water.

Get medical advice / attention.

#### Eye Contact

Bathe the eye with running water for 15 minutes.

Get medical advice / attention.

#### Ingestion

Wash out mouth with water.

Get medical advice / attention.

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

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

**Skin contact:** Material will cause severe irritation and may cause chemical burns.

**Eye contact:** Risk of serious damage to eyes.

**Ingestion:** There may be vomiting. There may be soreness and redness of the mouth and throat.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

Eye bathing equipment should be available on the premises.

## Section 5. Fire Fighting Measures.

### 5.1. Extinguishing media

Suitable extinguishing media for the surrounding fire should be used.  
Use water spray to cool containers.

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

In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

Wear self-contained breathing apparatus.  
Wear protective clothing to prevent contact with skin and eyes.

## Section 6. Accidental Release Measures.

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

Ensure adequate ventilation.  
Wear PPE.

### 6.2. Environmental precautions

Do not discharge into drains or rivers.

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

Absorb into dry earth or sand.  
Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

See Section 7 for information on Safe Handling  
See Section 8 for information of Personal Protective Equipment.  
See Section 13 for information on disposal.

## Section 7. Handling and Storage.

### 7.1. Precautions for safe handling

Avoid direct contact with the substance.  
Ensure there is sufficient ventilation of the area.  
Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.  
**Suitable packaging:** Must only be kept in original packaging.

### 7.3. Specific end use(s)

Intended for use as Spa & Hot Tub Flush Cleaner, Model Number identified in 1.1 with Description stated in 1.2.

## Section 8. Exposure Controls/Personal Protection.

### 8.1. Control parameters

Workplace exposure limits.

Substance	CAS number	Workplace exposure limit.			
		Long term.		Short term.	
		ppm	mg.m <sup>3</sup>	ppm	mg.m <sup>3</sup>
Sulphuric Acid	7664-93-9	-	0.05	-	-
Phosphoric acid	7664-38-2	-	1	-	2

### 8.2. Exposure controls

#### Appropriate Engineering Controls

Ensure adequate ventilation.

#### Eye/Face Protection

Chemical goggles.

EN 166

#### Skin Protection

Fluorinated Rubber Gloves. Glove Thickness should be a minimum of 0.7mm

Breakthrough time of the glove material > 8 hours.

Protective rubber apron

Appropriate Personal Protection with long sleeves and long trousers.

#### Respiratory Protection

Self-contained breathing apparatus must be available in case of emergency.

## Section 9. Physical and Chemical Properties.

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

**The following information is not a technical specification or sales specification.**

(a) Appearance:	Liquid. Brown.
(b) Odour:	Slight.
(c) Odour threshold;	No data available.
(d) pH:	No data available.
(e) Melting point/freezing point;	No data available.
(f) Initial boiling point and boiling range;	No data available.
(g) Flash point;	No data available.
(h) Evaporation rate;	No data available.
(i) Flammability (solid, gas);	No data available.
(j) Upper/lower flammability or explosive limits;	No data available.
(k) Vapour pressure;	No data available.
(l) Vapour density;	No data available.
(m) Relative density;	1.064
(n) Solubility(ies);	No data available.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	No data available.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

**9.2 Other information** No data available.

## Section 10. Stability and Reactivity.

<b>10.1. Reactivity</b>	Stable under recommended storage and transport conditions.
<b>10.2. Chemical stability</b>	Stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
<b>10.4. Conditions to avoid</b>	Heat.
<b>10.5. Incompatible materials</b>	Strong oxidising agents. Strong bases. Do not mix with other chemical formulations in their concentrated form.
<b>10.6. Hazardous decomposition products</b>	In combustion emits toxic fumes.

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

Sulphuric Acid

ORL	RAT	LD50	2140	mg/kg
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Phosphoric acid

ORL	RAT	LD50	1530	mg/kg
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## Section 12. Ecological Information.

### 12.1. Toxicity

Phosphoric acid

Fish	96H LC50	>1000	mg/l
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12.2. Persistence and degradability

Biodegradable.

12.3. Bioaccumulative potential

No bioaccumulation potential,

12.4. Mobility in soil

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

Not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Do not allow to enter water courses.

## Section 13. Disposal Considerations.

### 13.1. Waste treatment methods

Dispose of in accordance with local authority regulations.

Do not allow to enter water courses.

## Section 14. Transport Information.

### ADR. International Carriage of Dangerous Goods by Road.

<b>14.1.</b> UN number	UN 3264
<b>14.2.</b> Name and Description	Corrosive liquid, acidic, inorganic, n.o.s.
<b>14.3.</b> Class	8
<b>14.4.</b> Packing group	III
<b>14.5.</b> Environmental hazards	Does not present an environmental hazard.
<b>14.6.</b> Special precautions for user	No special precautions necessary.

### IATA. International Air Transport Association.

<b>14.1.</b> UN number	UN 3264
<b>14.2.</b> UN Proper Shipping Name/Description	Corrosive liquid, acidic, inorganic, n.o.s.
<b>14.3.</b> Class or Division	8
<b>14.4.</b> Packing group	III
<b>14.5.</b> Environmental hazards	Does not present an environmental hazard.
<b>14.6.</b> Special precautions for user	No special precautions necessary.

### IMDG. International Maritime Dangerous Goods.

<b>14.1.</b> UN number	UN 3264
<b>14.2.</b> UN proper shipping name	Corrosive liquid, acidic, inorganic, n.o.s.
<b>14.3.</b> Class	8
<b>14.4.</b> Packing group	III
<b>14.5.</b> Environmental hazards	Does not present an environmental hazard.
<b>14.6.</b> Special precautions for user	No special precautions necessary.
<b>14.7.</b> Transport in bulk – Maritime only.	Bulk transport is not applicable to this product



**Section 15. Regulatory Information.**

**15.1.** Safety, health and environmental regulations/legislation specific for the substance or mixture  
No data available.

**15.2.** Chemical safety assessment  
No data available.

**Section 16. Additional Information.**

Full text of Phrases and Statements used in Section 3;

H314 Causes severe skin burns and eye damage

The above information is believed to be accurate and represents the best information currently available.  
No warranty is expressed or implied by the above information.  
We assume no liability resulting from use of the above information.  
The end user should conduct their own investigations to determine the suitability of the above information for their particular purpose.

Issue level	Date	Revisions
1	21/12/20	First issue.

End of Safety Data Sheet.