

## Section 1. Product and Company Identification.

**1.1 Model Number;** DL58 v1  
**1.2 Description;** Hot Tub/Spa Waterline/Surface Cleaner - 1 Litre

### 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;** 12/12/2019

## Section 2. Hazards Identification.

### 2.1 Classification of the substance or mixture.

Causes skin irritation.  
Causes serious eye irritation.

### 2.2 Label elements.

#### Hazard pictogram(s)



**Signal Word.** Warning

#### Hazard statements;

Highly flammable liquid and vapour.  
Causes severe skin burns and eye damage.  
Causes serious eye irritation.  
May cause drowsiness or dizziness.

#### Precautionary statements;

Do not breathe vapours/spray.  
Wear protective gloves/protective clothing/eye protection/face protection.  
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 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>
ORTHOPHOSPHORIC ACID	7664-38-2	1 - 10 %	Skin Corr. 1B	H314
PROPAN-2-OL	67-63-0	1 - 10 %	Flam. Liq. 2 STOT SE 3 Eye Irrit. 2	H225 H336 H319

<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.

If breathing becomes bubbly, have the casualty sit

Get medical advice / attention.

#### Skin Contact

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

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin.

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. Do not induce vomiting.

Get medical advice / attention.

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

**Skin contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Inhalation:** There may be shortness of breath with a burning sensation in the throat.

Exposure may cause coughing or wheezing.

**Eye contact:** Corneal burns may occur. May cause permanent damage.

**Ingestion:** Corrosive burns may appear around the lips. Blood may be vomited.

There may be bleeding from the mouth or nose.

**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

Corrosive. 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

Mark out the contaminated area with signs and prevent access to unauthorised personnel.  
Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

Do not discharge into drains or rivers.  
Contain the spillage using bunding.

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

Clean-up should be dealt with only by qualified personnel familiar with the specific substance.  
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.  
Do not handle in a confined space.  
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 Hot Tub/Spa Waterline/Surface 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>
ORTHOPHOSPHORIC ACID	7664-38-2	-	1	-	2
PROPAN-2-OL	67-63-0	400	999	500	1250

### 8.2. Exposure controls

#### Appropriate Engineering Controls

Ensure there is sufficient ventilation of the area.

#### Eye/Face Protection

Chemical goggles

EN 166

Ensure eye bath is to hand.

#### Skin Protection

Impervious clothing. Wear appropriate protective clothing to prevent contact with skin.

#### Respiratory Protection

If ventilation is inadequate, suitable respiratory protection must be worn.

EN 136 / EN 140 / EN 143 / EN 145 / EN 149 / EN 14387.

## 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. Colourless.
(b) Odour:	No data available.
(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;	1.040 – 1.050
(n) Solubility(ies);	Soluble in water.
(o) Partition coefficient: n-octanol/water;	No data available.
(p) Auto-ignition temperature;	No data available.
(q) Decomposition temperature;	No data available.
(r) Viscosity;	Non-viscous.
(s) Explosive properties;	No data available.
(t) Oxidising properties.	No data available.

9.2 Other information No data available.

## Section 10. Stability and Reactivity.

10.1. Reactivity	Stable under recommended transport or storage conditions.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4. Conditions to avoid	Heat.
10.5. Incompatible materials	Strong oxidising agents. Strong acids.
10.6. Hazardous decomposition products	In combustion emits toxic fumes.

## Section 11. Toxicological Information.

### 11.1. Information on toxicological effects

#### ORTHOPHOSPHORIC ACID

ORL	RAT	LD50	1530	mg/kg
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#### PROPAN-2-OL

IVN	RET	LD50	1088	mg/kg
ORL	MUS	LD50	3600	mg/kg
ORL	RAT	LD50	5045	mg/kg
SCU	MUS	LDLO	6	gm/kg

## Section 12. Ecological Information.

### 12.1. Toxicity

#### ORTHOPHOSPHORIC 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

Negligible ecotoxicity.

## Section 13. Disposal Considerations.

### 13.1. Waste treatment methods

Dispose of in accordance with local authority regulations.

Do not allow product to enter water courses.

## Section 14. Transport Information.

Not regulated for transport.



**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;

- H225 Highly flammable liquid and vapour.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

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	22/12/20	First issue.

End of Safety Data Sheet.