



Section 1. Product and Company Identification.

1.1 Model Number;

DL50 v1

1.2 Description;

1kg Chlorine Granules for Hot Tubs, Spas & Swimming Pools

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; 03/10/2019

Section 2. Hazards Identification.

2.1 Classification of the substance or mixture.

Acute Tox. 4

STOT SE 3

Eye Irrit. 2

Aquatic Acute 1

Aquatic Chronic 1

2.2 Label elements.

Hazard pictogram(s)



Signal Word.

Warning

Hazard statements;

Harmful if swallowed.

Causes serious eye irritation.

May cause respiratory irritation.

Very toxic to aquatic life with long lasting effects.

Contact with acids liberates toxic gas.

Precautionary statements;

Keep out of reach of children.

Avoid release to the environment.

Use only outdoors or in a well-ventilated area.

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

IF SWALLOWED: Immediately call a POISON CENTER or doctor.

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

Continue rinsing.

Dispose of contents/container to an approved waste facility.

2.3 Other hazards.

This product is 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 ¹
TROCLOSENE SODIUM, DIHYDRATE	51580-86-0	>90 %	Acute Tox. 4 STOT SE 3 Eye Irrit. 2 Aquatic Acute 1 Aquatic Chronic 1	H302 H335 H319 H400 H410

¹For 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.

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

If irritation persists seek medical attention.

Eye Contact

Bathe the eye with running water for 15 minutes.

If irritation persists seek medical attention.

Ingestion

Do not induce vomiting.

Rinse mouth thoroughly 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: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain.

Ingestion: Nausea and stomach pain may occur. There may be vomiting.

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

Alcohol resistant foam. Carbon dioxide. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

In combustion emits toxic fumes. Nitrous gases (nitric oxides) Hydrogen chloride

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.

Do not create dust.

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

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

Ensure there is sufficient ventilation of the area.

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 Chlorine Granules for Hot Tubs, Spas & Swimming Pools, Model Number identified in 1.1 with Description stated in 1.2.

Section 8. Exposure Controls/Personal Protection.

8.1. Control parameters

No data available.

8.2. Exposure controls

Appropriate Engineering Controls

Ensure there is sufficient ventilation of the area.

Eye/Face Protection

Safety glasses with side shields.

EN 166.

Skin Protection

Acid resistant, natural rubber or neoprene gloves.

Protective rubber apron

Appropriate Personal Protection with long sleeves and long trousers.

Respiratory Protection

Respiratory protection must be worn if workplace exposure limits are exceeded.

Gas/vapour filter, type A: organic vapours.

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:	Granules. White.
(b) Odour:	Chlorine like.
(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;	0.974
(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;	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.

10.1. Reactivity	Stable under recommended storage and transport 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 reducing agents. Acids.
10.6. Hazardous decomposition products	Contact with acids liberates toxic gas.

Section 11. Toxicological Information.

11.1. Information on toxicological effects

Toxicity values;

Route	Species	Test	Value	Units
ORAL	RBT	LD50	735	mg/kg

Hazardous ingredients;

TROCLOSENE SODIUM, DIHYDRATE

ORAL	RBT	LD50	735	mg/kg
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Relevant hazards for product;

Hazard	Rouse	Basis
Acute toxicity (ac. tox. 4)	ING	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
irritation OPT Hazardous: calculated STOT-single exposure	INH	Hazardous: calculated



Section 12. Ecological Information.

12.1. Toxicity	No data available.
12.2. Persistence and degradability	Not readily biodegradable.
12.3. Bioaccumulative potential	No data available.
12.4. Mobility in soil	Soluble in water.
12.5. Results of PBT and vPvB assessment	Not identified as a PBT/vPvB substance.
12.6. Other adverse effects	Very toxic to aquatic organisms. Do not allow to enter water courses.

Section 13. Disposal Considerations.

13.1. Waste treatment methods

Not for landfill waste treatment.
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.

14.1. UN number	UN 3077
14.2. Name and Description	Environmentally Hazardous Substance, solid, n.o.s. (TROCLOSENE SODIUM, DIHYDRATE)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.

IATA. International Air Transport Association.

14.1. UN number	UN 3077
14.2. UN Proper Shipping Name/Description	Environmentally Hazardous Substance, solid, n.o.s. (TROCLOSENE SODIUM, DIHYDRATE)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.

IMDG. International Maritime Dangerous Goods.

14.1. UN number	UN 3077
14.2. UN proper shipping name	Environmentally Hazardous Substance, solid, n.o.s. (TROCLOSENE SODIUM, DIHYDRATE)
14.3. Transport hazard class(es)	9
14.4. Packing group	III
14.5. Environmental hazards	Does not present an environmental hazard.
14.6. Special precautions for user	No special precautions necessary.
14.7. 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;
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

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.