



Safety Data Sheet

Spa Lite

Revision

DATE SDS REVISED 22nd February 2006
Supersedes SDS dated 1st June 2000

SDS Ref: SGD2210
Revision Number: 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Substance or preparation trade name: Spa Lite

Chemical Name: Troclosene Sodium

Other names: Lite Shock Blend

Intended or recommended use of chemical: Oxidiser and water clarifier

Company/undertaking name, address and normal telephone no.:

BioLab U.K. Limited Tel: +44 (0)1242 820969

Unit 4 Andoversford Industrial Estate

Cheltenham, Glos.

Fax: +44(0)1242 820180

GL54 4LB

Emergency telephone no.: +44 (0)1242 820969

**FOR MEDICAL EMERGENCIES, FIRES, SPILLAGES OR CHEMICAL HAZARDS ONLY:
TEL: 01865 407333**

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	Wt %	EC NO.	CAS NO.	R phrases	Symbol	WEL
Troclosene Sodium	60-65	220-767-7	2893-78-9	8, 22, 31, 36/37, 50/53	O, Xn, N	WEL
Sodium Persulphate	15-40	231-892-1	7775-27-1	8, 22, 42/43	O, Xn	WEL
Aluminium Sulphate	5-10	233-135-0	10043-01-3	36/37/38	Xi	WEL
Sodium Tetraborate	<10	N/A	12179-04-3	N/A	N/A	WEL
Zinc Sulphate	<10	N/A	7446-20-0	22, 41, 50/53	Xn, N	WEL
Copper Citrate	<2	N/A	10402-15-0	N/A	N/A	WEL

3. HAZARDS IDENTIFICATION

Harmful if swallowed. Irritating to eyes and respiratory system. May cause sensitisation by inhalation and skin contact. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Inhalation	If inhaled: Move person to fresh air. If person has stopped breathing, give artificial respiration, preferably mouth to mouth. Seek professional medical advice.
Skin contact	If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Seek professional medical attention.
Eye contact	If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Seek professional medical treatment.
Ingestion	If swallowed: Seek immediate professional medical attention. Have person sip a glass of water if able to swallow. Do not induce vomiting. Do not give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water fog, CO₂

Special exposure hazards in fire: Emits toxic fumes under fire conditions. Contact with other materials may cause fire.

Required special protective equipment for fire fighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Use appropriate personal protective equipment as detailed in section 8.

Environmental precautions: Keep product out of sewers, watersheds and water systems.

Methods for cleaning: Contain spilled material. Do not add water to spilled material. Using clean dedicated equipment, sweep and scoop all spilled material, contaminated soil and other contaminated material and place into clean dry containers for disposal. Do not use floor sweeping compounds to clean up spills. Do not tightly shut containers containing wet or damp material. They should be left to ventilate any hazardous gases that may form. Do not transport wet or damp material.

7. HANDLING AND STORAGE

Handling: Strong oxidising agent. Do not mix with other chemicals or allow this product to become contaminated with organic materials or other chemicals that could lead to product decomposition and/or fire. Mix only with water. NEVER add water to product ALWAYS add product to large volumes of water. Use clean dry utensils. Do not add this product to any dispensing device (chemical feeder, etc.) containing remnants of any other product.

Storage: Keep this product in original, sealed container when not in use. Store in cool, dry, well-ventilated area. Keep this product and all other chemicals out of the reach of children

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Limits

Exposure Limits:	8hr TWA		15min STEL		Authority
	ppm	mg/m3	ppm	mg/m3	
Chlorine	0.5	1.5	1	2.9	EH40
Aluminium sulphate	-	2	-	-	EH40
Sodium persulphate	-	0.1	-	-	ACGIH

Exposure Limits	8 hr TWA	Authority
As total dust	10 mgm ⁻³	EH40
As respirable dust	4 mgm ⁻³	

General: General room ventilation plus local exhaust should be used to minimise exposure. Remove and wash contaminated clothing before reuse.

Respiratory protection Where dust emissions are possible, after engineering controls and general ventilation are applied, wear approved dust filtering respirators.

Hand protection (type of gloves, etc) Wear suitable chemical resistant gloves when handling this product.

Skin protection Avoid contact with skin.

Eye protection Wear goggles or safety glasses with side shields when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Odour:	Chlorine
Appearance:	Granules
Colour:	White with a green tinge
Solubility in Water:	25 g/100ml
pH:	4.64-4.76
Melting Point:	272 °C (522 °C)
Density:	1.02-1.04 g/ml

10. STABILITY AND REACTIVITY

Conditions to avoid:	High temperature. Poor ventilation. Contamination. Moisture/high humidity.
Materials to avoid:	Strong bases. Strong acids.
Hazardous decomposition products:	Avoid contact with water on concentrated material in the container. Avoid easily oxidisable material. Ammonia, urea, or similar nitrogen containing compounds. Inorganic reducing compounds. Floor sweeping compounds. Other swimming pool/spa chemicals in their concentrated forms. Do not mix with calcium hypochlorite.

11. TOXICOLOGICAL INFORMATION

Route of entry:	
Inhalation:	May be harmful if inhaled. Avoid breathing dust.
Ingestion:	Harmful if swallowed.
Skin:	Causes skin irritation. Avoid contact with skin. Harmful if absorbed through skin
Eyes:	Corrosive to eyes. Causes irreversible eye damage. Do not get in eyes.
Sensitisation:	This product is a skin sensitizer.
Toxicity:	This product is not listed as a carcinogen. Dermal LD ₅₀ : 5000 mg/kg of body weight in rats. Primary irritation study (rabbit, 24 hr): 4.6 (moderately to severely irritating) Inhalation LC ₅₀ : 0.3-1.0 mg l ⁻¹ (rats, 4 hr exposure)

12. ECOLOGICAL INFORMATION

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries or oceans. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authorities.

13. DISPOSAL CONSIDERATIONS

Disposal method: DO NOT put product, spilled product or filled or partially filled containers into the waste. Contact with incompatible materials could cause a reaction or fire. Dispose of unused, uncontaminated product in accordance with local and national regulations.

Empty containers: DO NOT re-use container. Rinse thoroughly before discarding.

14. TRANSPORT INFORMATION

UN No.: UN1759

Proper shipping name (PSN), including any technical name: Corrosive solids, n.o.s. (contains troclosene sodium)

Class/Division: 8

Packing Group (if any): II

Hazard ID No.: 80

EAC: 2X

15. REGULATORY INFORMATION

Product Name: Spa Lite

Symbol: C, N

Indication(s) of danger: Corrosive, Dangerous for the Environment

Risk phrases: R34 Causes burns
R42/43 May cause sensitisation by inhalation and skin contact

16. OTHER INFORMATION

Risk phrases:

- R8 Contact with combustible material may cause fire.
- R22 Harmful if swallowed.
- R31 Contact with acids liberates toxic gas.
- R36/37 Irritating to eyes and respiratory system.
- R36/37/38 Irritating to eyes, respiratory system and skin
- R41 Risk of serious damage to eyes
- R42/43 May cause sensitisation by inhalation and skin contact
- R50/53 Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Recommended restrictions on use: No further information

Further information sources: No further information

Sources of key data to compile Safety Data Sheet: Approved supply list. Approved carriage list, EH40, ACIGH tables.

Version number: 2

Date prepared: 22nd February 2006

Supersedes version: 1, dated 1st June 2000

Details of changes to last versions: Section 1 revisited, section 2 revisited, section 3 revisited, section 4 revisited, section 5 revisited, section 6 revisited, section 7 revisited, section 8 revisited, section 9 revisited, section 10 revisited, section 11 revisited, section 12 revisited, section 13 revisited, section 14 revisited, section 15 revisited, section 16 revisited
