



Safety Data Sheet

Optimiser

BioGuard

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SDS Ref: BGD2900
Revision Date: 15th May 2000

1 IDENTIFICATION OF CHEMICAL

Product Name: Optimiser
Chemical Name: Sodium Tetraborate

2 COMPOSITION

Ingredients:	Wt%	CAS No.	EINECS No	EEC No.	Phrases
Sodium Tetraborate	100	1330-43-4	--	--	--

3 HAZARD IDENTIFICATION

May cause eye and skin irritation. Avoid contact with eyes, skin or clothing. May be harmful if swallowed.

4 FIRST AID MEASURES

Skin contact: Wash with cold water for a minimum of 15 minutes. If skin irritation persists, seek medical attention.

Eye contact: Flush eyes with cold flowing water for at least 20 minutes. If irritation persists seek medical attention.

Ingestion: Drink large quantities of water. **DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Seek medical attention.

Inhalation: Remove person to fresh air. No specific hazard recognised.

Note: When seeking medical attention, always show the product label.

5 FIRE FIGHTING MEASURES

Flammability: Not applicable

Suitable extinguishers: All media compatible.

Hazardous combustion products are: No unusual decomposition products or fire hazards.

6 ACCIDENTAL RELEASE MEASURES

Use appropriate personal protective equipment as detailed in section 8.

Spillages and leaks:

Contain and absorb the spillage in inert material such as sand. Sweep up the spill and place in clean, dry plastic containers including any contaminated soil. Dispose of product in accordance with relevant local and national waste disposal legislation.

7 HANDLING AND STORAGE

Handling: Use in accordance with instructions on the packaging and data supplied.

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

Avoid contact with: **DO NOT** mix with other products or chemicals.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:	8hr TWA		15min STEL		Authority
	ppm	mg/m ³	ppm	mg/m ³	
Sodium Tetraborate not listed.	--	--	--	--	--
General inhalable dust levels apply	--	10	--	--	EH40

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

PPE
Respiratory: Use respiratory protection for general dust inhalation protection where conditions warrant use

Skin: Wear rubber gloves when handling this product. Avoid contact with skin.

Eyes: Wear goggles or safety glasses with side shields when handling this product

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Odour:	Odourless
Appearance:	Granules
Colour:	White
Solubility in Water:	3.6 gm/100ml @ 20 °C
pH:	9.3 (3% solution)

10 STABILITY AND REACTIVITY

Conditions to avoid: High temperature. Poor ventilation. Contamination, Moisture, high humidity
Stability: This product is stable under normal conditions.
Incompatible materials: Other swimming pool/spa chemicals in their concentrated forms. Strong reducing compounds.

11 TOXICOLOGICAL INFORMATION

LD50 (Dermal rabbit) 2000 mg/kg
LD50 (Oral rat) >32000 mg/kg
LC50 (Inhalation) 2.9 mg/l
This product may be an eye and skin irritant.
This product is not listed as a carcinogen

12 ECOLOGICAL INFORMATION

This product may be toxic to fish and aquatic organisms.
Keep product from entering waterways and watersheds.

13 DISPOSAL CONSIDERATIONS

Disposal Method: Generally suitable for landfill but refer to local and national disposal regulations before proceeding.
Empty Containers: **DO NOT** reuse container. Rinse thoroughly before discarding.

14 TRANSPORT INFORMATION

UN No: Not regulated
Primary Hazard: Not regulated
Packing Group: Not regulated
Hazard ID No: Not regulated
Class: Not regulated
EAC: Not regulated

15 REGULATORY INFORMATION

Product name: Optimiser
Hazard symbol: Non hazardous
Risk Phrases: n/a
Safety Phrases: n/a

16 OTHER INFORMATION

Recommended uses and restrictions: No further information

Further information sources:

Sources of key data used to compile Safety Data Sheet.

Approved supply list. Approved carriage list, EH40, ACIGH tables.

The data in this Safety Data Sheet has been supplied as required by the Chemicals (Hazard Identification and Packaging) Regulations 1997, as amended, for the purpose of protecting the health and safety of industrial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

This data sheet does not constitute a users assessment of the workplace risk as required by the Health and Safety at Work Act, COSHH, Management of Health and Safety at Work or other health and safety legislation.
