

# SpaProof®

Creates a luxurious and simple spa

Makes Water Sparkle  
Makes Skin Feel Smooth  
Relieves Eye Irritation  
Extends Sanitizer Life

SpaProof is a revolutionary new product that is added just once to your spa at each new water change. SpaProof harmonizes the water and creates a stable pH. This helps extend the life of your chemicals. And because SpaProof contains mineral salts, it makes your skin feel smooth and makes your water sparkle.

SpaProof:

- Utilizes boron, a natural mineral
- Balances the pH – can absorb both acid or base
- Makes the spa water more stable

SpaProof provides the following benefits:

- Moisturizes the skin
- Reduces the chlorine smell
- Helps prevent red eyes
- Helps prevent dry skin
- Extends chemical life



# SpaProof

Creates a luxurious and simple spa

- Makes water sparkle • Makes skin feel smooth
- Relieves eye irritation • Extends sanitizer life

CA Reg. No. 64405-50002-AA

**ACTIVE INGREDIENT:**

Disodium Octaborate Tetrahydrate ..... 47.6%

**OTHER INGREDIENTS** ..... 52.4%

**TOTAL** ..... 100.0%

*Equivalent boron content of:*

- 86.5% as sodium tetraborate ( $Na_2B_4O_7 \cdot 10H_2O$ )
- 32.3% as boric oxide ( $B_2O_3$ )
- 10.0% B as elemental boron (B)

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

**Caution:** Harmful if swallowed. Thoroughly wash with water after handling.

### DIRECTIONS FOR USE

**SpaProof** is a pH balanced, micro-micellar borate emulsion that provides the following benefits:

- Stabilizes pH to correct level (7.6–7.8) to help:
  - Relieve eye irritation
  - Reduce chlorine loss
  - Maintain quality with lower cyanuric acid levels.
- Reduces pump time
- Makes water sparkle
- Makes skin feel smooth

**SpaProof** comes as a pre-mixed, ready-to-use liquid. It is compatible with all materials used in the normal maintenance of spas, including bromine spas.

Spa Size (gallons)	SpaProof (ounces)
200	13
300	19
500	32 (1 quart)
1,000	64 (1 quart)
2000	128 (4 quarts)

Using the table above, add the correct amount of material in your spa water to achieve a minimum of 50 ppm of boron (ppmB). For the first application, mix 32 oz. (1 quart) of **SpaProof** to every 500 gallons of spa water (54 ppmB). For problem or high-load spas, add **SpaProof** to increase ppm level up to 80 ppm to improve performance (for example, 32 oz. of **SpaProof** per 375 gallons of spa water = 70 ppm). **Shake well** before using. Turn on spa pump and locate an overflow jet. Remove cap and pour **SpaProof** over the outflow jet. Rinse empty container with spa water and add to spa. Run pump to achieve complete turnover, then test the pH level. It should be 7.6–7.8 You can also use a boron indicator test kit to test the boron concentration (ppmB). Storage at high temperatures or for extended periods of time is expected to cause settling. Settled product may take longer to dissolve, but will not negatively affect performance.

Water loss from splash-out or water draw down will reduce the amount of **SpaProof**. Use a Boron Indicator Test to maintain 36–50 ppm of boron and add product as needed. **SpaProof** does not evaporate and is not degraded by sunlight. If your spa size is not listed, add or subtract **SpaProof** using the table above to help calculate the specific amount of product you need.

#### Notice

Read and understand the entire label before using. Use only according to label directions. Before buying or using this product, read **Warranty Limitations and Disclaimer** statement found elsewhere on this label. If terms are unacceptable, return unopened package to seller for full refund of purchase price. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under **Warranty Limitations and Disclaimer**.

### Storage and Disposal

**Storage:** Store in a cool, dry (preferably locked) storage area inaccessible to children and pets. Do not freeze. **Disposal: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

### First Aid

**If Swallowed:** If large amounts are swallowed, immediately contact a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.

**SpaProof** is of low toxicity and ingestion of a small amount accidentally (e.g., a teaspoon) will not cause harm.

- Not an inhalation hazard.
- Non-irritating to eyes and skin.
- Not absorbed through intact skin.

## Warranty Disclaimer

To the extent not prohibited by applicable law, Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent not prohibited by applicable law, **MANUFACTURER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

### Inherent Risks of Use

The directions for use of this product are believed to be adequate and must be carefully followed. It is impossible to eliminate all risks associated with use of this product. Lack of performance or other unintended consequences may result because of such factors as use of the product contrary to label instructions, abnormal conditions, the presence of other materials, climatic conditions or the manner of use/application, all of which are beyond the control of the Manufacturer. The buyer/user assumes all such risks.

### Limitation of Remedies

To the extent not prohibited by applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability

or other legal theories) shall be limited to, at Manufacturer's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent not prohibited by applicable law: a) Manufacturer shall not be liable for losses or damages resulting from handling or use of this product unless Manufacturer is promptly notified of such loss or damage in writing; and b) **IN NO CASE SHALL MANUFACTURER BE LIABLE FOR DIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OR LOSSES, INCLUDING WITHOUT LIMIT, HEALTH RELATED DAMAGES OR INJURIES.**

The terms of this **Warranty Disclaimer** and **Limitation of Remedies** cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Manufacturer or the seller is authorized to vary or exceed the terms of this **Warranty Disclaimer** or **Limitation of Remedies** in any manner.

It is not intended that this product be used to practice any applicable patent not owned by Nisus Corporation, whether mentioned or not, without procurement of a license (if necessary) from the owner, following investigation by the user.



**Nisus Corporation**  
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# MATERIAL SAFETY DATA SHEET

## SPAPROOF™

Health Emergencies: CHEMTREC® (800) 424-9300

### SECTION I - PRODUCT & COMPANY IDENTIFICATION

**Manufacturer:** Nisus Corporation  
100 Nisus Drive  
Rockford, TN 37853  
(800) 266-0870

**Product Trade Name:** SpaProof™

**Chemical Family:** Aqueous borate solution. Water with sodium borate to form concentrate.

**Formula:** Proprietary Mixture      **CAS No.:** 1280-03-4

### SECTION II - COMPOSITION

Low pH disodium octaborate tetrahydrate in water  
Contains free water, water of crystallization and borates as dissolved solids

Equivalent boron content of:

83.6 % as sodium tetraborate decahydrate

30.9 % as Boric oxide (B<sub>2</sub>O<sub>3</sub>)

9.6 % B as Elemental Boron (B)

### SECTION III - HAZARDS

<b>Hazard Rating:</b> NFPA	Health	1	Slight hazard
	Flammability	0	
	Reactivity	0	

**EYE CONTACT:** Causes no significant eye irritation. Direct contact may cause tearing and redness in sensitive individuals.

**SKIN CONTACT:** This material non-irritating. Prolonged or repeated exposure to this material may cause drying of the skin. Persons with preexisting skin disorders may be more susceptible to the effects of this material. Not absorbed through skin.

**INGESTION:** Ingestion of large amounts may cause nausea, mental sluggishness followed by difficulty in breathing and heart failure, kidney and brain damage, possibly death. Small quantities ingested accidentally, e.g., a teaspoon, will not cause harm.

**INHALATION:** Not an inhalation hazard.

### SECTION IV - EMERGENCY AND FIRST AID PROCEDURES

**INHALATION:** Not an inhalation hazard.

**SKIN CONTACT:** Take off contaminated clothing. Rinse skin with water.

**EYE CONTACT:** Rinse with water or eye wash. Remove contact lenses, if present, after rinsing, then continue rinsing eye. Call a poison control center or doctor for further treatment advice if needed. Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Whilst this product is unlikely to cause eye problems, most other pool chemicals used with this product or in the vicinity can cause permanent eye damage. SEEK EMERGENCY MEDICAL ATTENTION if eye irritation continues, and make sure you explain you have been working in the vicinity of a swimming pool and may have had hypochlorite or quaternary ammonium compound exposure.

**INGESTION: SEEK EMERGENCY MEDICAL ATTENTION** If the victim is drowsy or unconscious, place on the left side with the head down. Do not give anything by mouth. If victim is conscious and alert, vomiting should be induced for ingestion of more than 1 – 2 tablespoons for an adult, preferably with syrup of ipecac under direction from a physician or poison center. If syrup of ipecac is not available, vomiting can be induced by gently placing two fingers in back of throat. If large amounts are ingested, treat for borate toxicity. If possible, do not leave victim unattended.

**NOTE TO PHYSICIAN:** Treat for exposure to borates. Monitor electrolytes.

### SECTION V - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** None – contains water and inorganic borate salts. Will turn to glass at 1000°C.

**FLAMMABLE LIMITS:** None – contains water and inorganic borate salts. Will turn to glass at 1000°C.

**EXTINGUISHING MEDIA:** CO<sub>2</sub>, dry powder or universal type foam suitable for plastic container.

**FIRE AND EXPLOSION HAZARDS:** This material will not ignite.

**FIRE FIGHTING PROCEDURES:** Avoid inhaling smoke from plastic container. The use of a SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors from plastic container and cooling containers exposed to heat and flame.

### SECTION VI - SPILL OR LEAK PROCEDURES

**PRECAUTIONS IN CASE OF RELEASE OR SPILL:** Absorb with liquid absorbent. Do not let large volumes of material or washwaters enter sewers or waterways. Where large release has occurred see ecological section.

### SECTION VI - HANDLING AND STORAGE

**HANDLING AND STORAGE PRECAUTIONS:** Store between 40°F and 90°F. Do not store in direct sunlight. Keep containers tightly closed.

Store in areas not accessible to children and pets.

### SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** N/A

**VENTILATION:** N/A

If aerosolized ACGIH: 10 mg/m<sup>3</sup> (8 hr. TWA) ; OSHA: 15 mg/m<sup>3</sup> (total dust) (8 hr. TWA)

SpaProof is easily washed from eyes and skin.

**EYE PROTECTION:** Use of safety glasses, goggles or face shield is recommended as a standard procedure. Some pool chemicals are strong oxidizers or are corrosive to eyes. Physical harm can occur to eyes when working with pressurized liquids, pumps and moving equipment.

### SECTION IX - PHYSICAL DATA

**Appearance:** White opaque liquid      **Specific Gravity:** 1.2 g/ml

**% Volatile:** Water only

**Vapor Pressure:** Water

**Boiling Point:** Above 212° F

**Odor:** None

**% Solubility in Water:** 100%

**pH:** Neutral - 50% aqueous solution 6.9 – 8.0

### SECTION X - REACTIVITY DATA

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** None from product (carbon monoxide, carbon dioxide and other from plastic container).

### SECTION XI - TOXICOLOGICAL INFORMATION

SpaProof is of very low acute mammalian toxicity.

Acute oral LD<sub>50</sub> - greater than 5000 mg/kg body weight (Sprague-Dawley male and female rats).

Acute dermal LD<sub>50</sub> - greater than 2000 mg/kg body weight (New Zealand Albino male and female rabbits).

Acute inhalation – Not an inhalation hazard, non volatile. Upon drying, dust can be treated as nuisance dust only.

None of the major constituents of this material have been identified as carcinogens or probable carcinogens by IARC or OSHA.

Borates have been shown to have some chronic toxicity in animals fed high doses over long periods, similar to that of alcohol, but this has not been found in humans.

## SECTION XII – ECOLOGICAL INFORMATION

**General:** Boron (B) is the element of the salt in SpaProof which is used by convention to report borate product ecological effects. SpaProof contains 9.6% B by weight.

**Phytotoxicity:** Boron is an essential micronutrient for healthy growth of plants; however, it can be harmful to boron sensitive plants (e.g., grass and citrus) in high quantities.

**Algal Toxicity:** Green algae, *Scenedesmus subspicatus*

96-hr EC<sub>10</sub> = 24 mg B/L

**Invertebrate Toxicity:** Daphnids, *Daphnia magna straus*

24-hr EC<sub>50</sub> = 242 mg B/L

**Fish Toxicity:**

Seawater:

Dab, *Limanda limanda*

96-hr LC<sub>50</sub> 74 MG B/LL

Freshwater:

Rainbow trout, *S. gairdneri* (embryo-larval stage)

24-day LC<sub>50</sub> = 88 mg B/L

32-day LC<sub>50</sub> = 54 mg B/L

Goldfish, *Carassius auratus* (embryo-larval stage)

7-day LC<sub>50</sub> = 65 mg B/L

3-day LC<sub>50</sub> = 71 mg B/L

Test substance: sodium tetraborate

In the event of accidental environmental release, dilute with water.

SpaProof is rapidly diluted to natural background micronutrient levels of boron.

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Unopened containers may be returned to Nisus corporation for reprocessing. Contact your State Environmental Control Agency or local authorities for proper disposal guidelines. Most sewage facilities will allow discharge to sewage of small volumes. Very large volume can retard sewage processing.

## SECTION XIV – TRANSPORTATION INFORMATION

DOT Hazard Classification: Not Regulated

## SECTION XV – REGULATORY INFORMATION

Chemical Family: borate solution, sodium borate salt solution

Hazard Rating: NFPA	Health	1	Slight hazard
	Flammability	0	
	Reactivity	0	

## SECTION XVI – OTHER INFORMATION

*The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This information and product are furnished on the condition that the persons receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use thereof.*



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