

**Section 1: Identification of the Substance/Mixture and of Supplier**

**Product name:** PH BALANCE/TOTAL ALKALINITY BALANCE/PH BUFFER 1kg, 3kg, 8kg  
**Recommended use:** Balance the pH in pools and spas  
**Supplier:** Space Industries Limited  
**Street Address:** 160 Plunket Ave,  
 Wiri, Auckland  
 New Zealand  
**Telephone Number:** + 64 9 262 3902  
**Facsimile:** + 64 9 262 3948  
**E-mail:** [orders@spaceindustries.co.nz](mailto:orders@spaceindustries.co.nz)  
**Website:** [www.spaceindustries.co.nz](http://www.spaceindustries.co.nz)  
**Emergency Telephone:** 0800 764 766 (all hours)  
**Date of preparation:** February 2025

**Section 2: Hazards Identification**

**Hazard Classification:** NOT Hazardous according to criteria of NOHSC/ASCC

**Section 3: Composition/information on ingredients**

**Product Description:** Balance the pH in pools and spas  
**Component(s):** SODIUM BICARBONATE  
**CAS Number:** 144-55-8  
**Proportion:** >99%

**Section 4: First Aid Measures**

**Show this Safety Data Sheet to a Doctor**

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing.  
**Skin Contact:** Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.  
**Eye Contact:** Irrigate eyes with generous quantities of water for 15 minutes. Remove contact lenses, if present and easy to do. Seek immediate medical attention.  
**Ingestion:** Rinse mouth. DO NOT induce vomiting. Give a glass of water to effectively dilute the product. Seek immediate medical attention  
**Notes for the Doctor:** Treat symptomatically.

For advice, contact the Poisons Information Centre 0800 764 766 or a doctor

## Section 5: Fire Fighting Measures

|                                      |                                                                                                                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific Hazards:</b>             | Non-combustible solid. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.                                                                        |
| <b>Suitable Extinguishing Media:</b> | Incompatible with oxidizing agents, acids, water and sources of ignition. When involved in a fire, this product may generate sodium compounds, carbon dioxide, usually without carbon monoxide and smoke |
| <b>Fire-fighting advice:</b>         | Extinguish fires with water spray, foam, carbon dioxide or dry chemical powder.                                                                                                                          |
|                                      | Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.                                                                             |

## Section 6: Accidental Release Measures

|                                                           |                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Emergency Procedures</b>                               | Personnel involved in the clean up should wear full protective clothing.<br>Eliminate all sources of ignition.<br>Increase ventilation.<br>Avoid generating dust.<br>Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. |
| <b>Methods and Materials for Containment and Clean Up</b> | Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled waste container and dispose of promptly. Once pick up is complete, flush spill site with plenty of water to eliminate any residue preventing run-off from entering drains.                                      |

## Section 7: Handling and Storage

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | <ul style="list-style-type: none"> <li>• Ensure an eye bath and safety shower are available and ready for use.</li> <li>• Observe good personal hygiene practices and recommended procedures.</li> <li>• Do not breathe in dust.</li> <li>• Wash hands thoroughly after handling.</li> <li>• Do not eat, drink or smoke when using this product.</li> <li>• Store away from foodstuffs.</li> <li>• Avoid eye and skin contact.</li> </ul>                                                                                                                                                   |
| <b>Storage:</b>  | <ul style="list-style-type: none"> <li>• Keep only in original container.</li> <li>• Store in a cool, dry, well-ventilated area.</li> <li>• Keep containers tightly closed when not in use.</li> <li>• Inspect regularly for deficiencies such as damage or leaks.</li> <li>• Protect against physical damage.</li> <li>• Store away from incompatible materials including oxidizing agents, acids, water and sources of ignition.</li> <li>• Protect from direct sunlight and moisture.</li> <li>• Store below 30°C in temperature.</li> <li>• Keep containers away from water.</li> </ul> |

## Section 8: Exposure Controls/Personal Protection

|                                       |                                                                                                               |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Occupational Exposure Limits:</b>  | No value assigned for this specific material by the New Zealand Occupational Safety and Health Service (OSH). |
| <b>Engineering Control Measures:</b>  | Use in well ventilated area.<br>Avoid breathing in dust.                                                      |
| <b>Personal Protective Equipment:</b> | Safety glasses<br>Dust mask.<br>PVC gloves                                                                    |

### Section 9: Physical and Chemical Properties

|                                  |                    |
|----------------------------------|--------------------|
| <b>Physical state:</b>           | Crystalline powder |
| <b>Colour:</b>                   | White              |
| <b>Odour:</b>                    | Odourless          |
| <b>Boling/melting Point:</b>     | 70°C               |
| <b>Specific Gravity/Bulk</b>     | 2.159 (water = 1)  |
| <b>Vapour Pressure:</b>          | Practically none   |
| <b>Flash Point (°C):</b>         | None               |
| <b>Percent Volatilise:</b>       | Not available      |
| <b>Flammability Limits:</b>      | Not available      |
| <b>Autoignition Temperature:</b> | Not available      |
| <b>pH</b>                        | 8.4 (1% solution)  |

### Section 10: Stability and Reactivity

|                                         |                                                                                                                                |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability:</b>                       | Product is stable under normal conditions of use, storage and temperature.                                                     |
| <b>Conditions to Avoid</b>              | Avoid excessive heat, generating dust, direct sunlight, moisture and high temperatures                                         |
| <b>Incompatible Materials</b>           | Incompatible with oxidizing agents, acids, water and sources of ignition.                                                      |
| <b>Hazardous Decomposition Products</b> | When involved in a fire, this product may generate sodium compounds, carbon dioxide, usually without carbon monoxide and smoke |

### Section 11: Toxicological Information

|                      |                                         |
|----------------------|-----------------------------------------|
| <b>Ingestion:</b>    | Can cause irritation.                   |
| <b>Eye contact:</b>  | Can cause irritation.                   |
| <b>Skin contact:</b> | Not likely to cause irritation .        |
| <b>Inhalation:</b>   | Capable of causing irritation if dusty. |

### Section 12: Ecological Information

|                                                         |                                                 |
|---------------------------------------------------------|-------------------------------------------------|
| <b>Environmental fate, persistence and degradation:</b> | Avoid contaminating waterways.<br>Biodegradable |
|---------------------------------------------------------|-------------------------------------------------|

**Section 13: Disposal Considerations**

- Recycle wherever possible. Special hazard may exist - specialist advice may be required.
  - Consult approved Waste Management Company for disposal options.
  - Treat and neutralise residue at an approved site.
  - Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.
  - Puncture containers to prevent re-use and bury at an authorised landfill.
- Do not incinerate.

**Section 14: Transport Information**
**Road and Rail Transport:**

Classified as a non - dangerous Good according to NZS 5433:1999 Transport of Dangerous Goods on Land. It is not classed as a dangerous good for sea transport.

**Section 15: Regulatory Information**
**Classification:**

NOT Hazardous according to criteria of NOHSC/ASCC

**Section 16: Other Information**

.Issue Date: March 2021

Note: All information given by Space Industries Ltd is offered in good faith and is, to the best of our knowledge, true and accurate. However, since conditions of use are beyond our control, all information relevant to usage is offered without warranty or guarantee and should not be construed as a representation that the product is suitable for any particular purpose or application.