Aqua King Pool Products
Registration Holder – Hyper Pool Equipment
Po Box 32624, Fichardt Park, 9317
+27 51 432 4397 / info@hyperpoolgroup.co.za

MATERIAL SAFETY DATA SHEET (MSDS) *

Poison Centre (R.S.A.): 0860 155 5777

1. *Product and Company Identification.*

1.1. Trade / Commercial Name: **AQUA KING ALKALINITY BOOSTER**
1.2. Chemical Name: SODIUM BICARBONATE
1.3. Chemical Formula: CHNaO3
1.4. Chemical Family: Baking Soda, Sodium Acid Carbonate, Sodium Hydrogen Carbonate, Bicarbonate of Soda.
1.5. Un No: N/A
1.6. ERG No: N/A
1.7. Hazchem Code EAC: 2s

2. *Raw Materials Supplier / Manufacturer / Importer Details.*

2.1. Company: RR Chemicals cc – 1989/010787/23
2.2. Company Contact: +27 11 452 3992

3. *Composition.*

3.1. Hazardous Components:

4. *Hazards Identification.*

4.1. Not Regulated.

5. *First Aid Measures.*

5.1. First Aid – **Skin:** Immediately remove contaminated clothing and shoes. Flush body with plenty of water for at least 15 minutes.
5.2. First Aid – **Eyes:** Flush eyes with water for 15 minutes. Hold eyelids open while rinsing eyes.
5.3. First Aid – **Ingested:** N/A.
5.4. First Aid – **Inhalation:** Immediately remove to fresh air.

6. *Fire Fighting Measures.*

6.1. **Small Fires:** Water only, no dry chemicals, CO2 or Halon.
6.2. **Large Fires:** Flood fire area with water. Do not move cargo or vehicle if cargo has been exposed to heat. Cool containers that are exposed to flames with water from the side until well after the fire has been put out. Stay away from ends of tanks. For massive fire in cargo area, use an unmanned hose holder or monitor nozzles. If this is not feasible, withdraw from area and let fire burn. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas. Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

7. *Accidental Release Measures.*

7.1. Wear a breathing apparatus and gloves. Dilute – substance may be washed to drain with a lot of water.
7.2. **PRECAUTIONS:** Restrict access to area. Provide adequate protective equipment and ventilation. Remove sources of heat and flame(s). Notify occupational and environmental authorities.
7.3. **SPILL or LEAK:** Keep combustible (wood, paper, oil, etc) away from hazard area. Do not touch spilled material. Stop leak if can do so without risk. Use water spray to reduce vapours.

7.4. **SMALL SPILLS:** Flush area with flooding amounts of water.
7.5. **LARGE SPILLS:** Dyke liquid spills for later disposal.

8. Handling and Storage.

8.1. Fire separation of at least 5m (metres) or a 4Hr (hour) fire rated wall from the listed classes is recommended.
8.2. Organic Peroxides Poison Corrosives Storage in the same room or space as the listed classes is prohibited. The rooms or spaces should be at least 10m (metres) apart.
8.3. The listed classes are as follows: Explosives, Flammable and or Poisonous Gasses, Flammable Liquids and or Solids, Spontaneously Combustibles and Dangerous When Wet Radioactive.

9. Exposure Controls / Personal Protection (PPE).

9.1. **Occupation Exposure Limits:** No Exposure Limits Established.
9.2. **Controls:** The control measures appropriate for a particular worksite, depending on how this material is used and on the extent of exposure. The best protection is to enclose and / or provide local exhaust ventilation at the site of chemical release. Use a non-sparking grounded ventilation system, separate from other exhaust ventilation systems. Exhaust directly to the outside. Supply sufficient replacement air to make up for air removed. Have a safety shower / eye wash fountain readily available in the immediate work area.
9.3. **Personal Protection:** If engineering controls and / or work practices are not effective in controlling this material, then wear suitable personal protective equipment, including chemical safety goggles and / or face shield, boots, imperious gloves, coveralls, and respiratory protection. Have appropriate equipment available for use in the case of an emergency.

10. Physical and Chemical Properties.

10.1. Odourless, colourless, or white efflorescent crystals or powder with a strong alkaline taste.

11. Stability and Reactivity.

11.1. **Conditions to Avoid:** Not Specified.
11.2. **Incompatible Material:** Not Specified.
11.3. **Other:** Not Specified.

12. Toxicological Information.

12.1. Not Specified.

13. Ecological Information.

13.1. No ecological problems are expected when the product is handled and used with due care.

14. Disposal Considerations.

14.1. **Disposal Method Product:** There are no uniform EC regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact the authorities in charge or approved local waste disposal companies which will advise you on how to dispose of special waste.
14.2. **Disposal Method Packaging:** Disposal in accordance with local legal provisions.

15. Transport Information.

15.1. **EAC:** Not Specified.
15.2. **Marine Pollutant Class:** Not Specified.
15.3. **Subsidiary Risks:** Not Specified.

15.4. **Hazchem Code:** 2s.
15.5. **ERG No:** Not Specified.
15.6. **IMDG-Packaging Group:** III.
15.7. **Term-card Number:** ****.

16. Regulatory Information.

16.1. **EEC Hazard Classification:** 5.1.
16.2. **Risk Phases:** Harmful by inhalation and if swallowed.
16.3. **Safety Phases:** Avoid contact with eyes.

17. Other Information.

17.1. **Reason for Alteration / General Update:** The information contained herein is based on the present state of our knowledge. It characterizes the product with regards to the appropriate safety precautions. It does not represent a guarantee of the properness of the product.

Notice: The information in this data sheet is, to the best of our knowledge, true and accurate, but all instructions, recommendations and suggestions are made without guarantee. Since the conditions of use are beyond our control Aqua King / Hyper Pool Group disclaims any liability for loss or damage suffered from use of this information. Furthermore, no liability is accepted if use of any product in accordance with these instructions, recommendations and suggestions infringes any patent.

**** All information is given in good faith but without guarantee in respect of accuracy, and no responsibility is accepted for errors or omissions or the consequences thereof.***