Aqua King Pool Products
Registration Holder – Hyper Pool Equipment
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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 ALUM POWDER**
1.2. Chemical Name: ALUMINUM SULPHATE
1.3. Chemical Formula: Not Specified.
1.4. Chemical Family: Not Specified.
1.5. Un No: Not Specified.
1.6. ERG No: Not Specified.
1.7. Hazchem Code EAC: Not Specified.

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 and Ingredients.*

3.1. Component: Aluminium Sulphate.
3.2. Concentration: ca. 100%.

4. *Hazards Identification.*

4.1. Contact with skin and eyes may cause irritation.
4.2. Swallowing may cause vomiting.

5. *First Aid Measures.*

5.1. First Aid – **Skin:** Wash skin with water. Remove contaminated clothing. Obtain medical attention.
5.2. First Aid – **Eyes:** Immediately rinse with clean water, holding the eyelids apart for at least 20 minutes. Obtain medical attention.
5.3. First Aid – **Ingested:** Do not induce vomiting. Wash out mouth with clean water and give 200ml to 300ml (half a pint) of clean water to drink. Obtain medical attention.
5.4. First Aid – **Inhalation:** Remove patient from exposure. Obtain medical attention.
5.5. Further Professional Medical Assistance – Symptomatic treatment and supportive therapy as indicated.

6. *Fire Fighting Measures.*

6.1. **Flash Point –**
6.2. **Autoignition –**
6.3. **LEL –**
6.4. **UEL –**
6.5. Non-flammable. Thermally decomposes to evolve sulphur dioxide and sulphur trioxide which are corrosive and flammable.
6.6. Extinguishing media – appropriate for surrounding fire.
6.7. Special protective equipment – a self-contained breathing apparatus and full protective clothing should be worn during a fire.

7. *Accidental Release Measures.*

7.1. **Personal Protection –** PVC or rubber gloves, apron, and eye protection.
7.2. **Environmental Precautions –** Neutralize residue with alkali (soda ash), and wash area to drain with water.
7.3. **Method for Cleaning Up:** Shovel into labelled containers for disposal or recovery.

8. Handling and Storage.

8.1. **Handling –** Control dust information. Avoid moisture. Avoid contact with skin and eyes and avoid ingestion.

8.2. **Storage –** Keep containers in a cool, well-ventilated area with lids tightly closed.

9. Exposure Controls / Personal Protection (PPE).

9.1. **TLV-TWA:** 2mg/m^3 (as soluble salts).

9.2. **TLV-STEL:** N/A.

9.3. **AGGIH:** 92 to 93.

9.4. As a minimum, wear PVC or rubber gloves, apron, and eye protection. Wear mask if fume levels are above the TLV.

10. Physical and Chemical Properties.

10.1. **Appearance:** White to brown odourless granules.

10.2. **Melting Point:** Decomposes at 770°C. Hydrated Aluminium Sulphate decomposes at 86.5^{O}C.

10.3. **Density g/m^3**: 1.5 at 20°C.

11. Stability and Reactivity.

11.1. **Hazardous Decomposition Product(s):** Sulphur dioxide, sulphur trioxide.

11.2. **Hazardous Reactions:** Corrosive to metals in the presence of moisture. Incompatible with acid bases and water.

11.3. **Other:** Not Specified.

12. Toxicological Information.

12.1. **Inhalation:** Dust may cause irritations to respiratory tract.

12.2. **Skin Contact:** Cuses irritation.

12.3. **Eye Contact:** Cuses irritation.

12.4. **Ingestion:** Swallowing may cause nausea, vomiting, unconsciousness, and convulsions.

12.5. **Long Term Exposure:** No known hazards are associated with the use of this material.

13. Ecological Information.

13.1. Users should ensure that they comply with local, provincial, or national legislation. Recover, reclaim, or recycle if practicable.

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. Not listed as hazardous for transport.

16. Regulatory Information.

16.1. Users should ensure that they comply with any relevant local, provincial, or national legislation.

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.

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