



# SAFETY DATA SHEET

ROLF C. HAGEN INC., 20500 TRANSCANDA HWY,  
BAIE D'URFÉ, QUEBEC, H9X 0A2  
CANADA

|                                  |
|----------------------------------|
| <b>Nutrafin</b>                  |
| Cycle                            |
| A7595,A7900, A7902, A7904, A7906 |

| Section 1. Product and company Information     |   |
|--|---|
| <b>Product Name</b>                            | Nutrafin Cycle  |
| <b>Product Code</b>                            | A7595, A7900, A7902, A7904 & A7906                                |
| <b>Recommended Use and restrictions on Use</b> | Aquarium Conditioner that oxidize ammonia to nitrate              |
| <b>Supplier</b>                                | Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2 |
| <b>Emergency Telephone Number</b>              | Call your local poison control center                             |

| Section 2. Hazard Identification |   |
|----------------------------------|---|
| <b>Classification</b>            | The product is not classified according to GHS regulations.   |
| <b>GHS Label Elements</b>        | <p><b>Hazard Pictograms</b><br/>Not classified under GHS regulation.</p> <p><b>Signal Word</b><br/>Not classified under GHS regulation.</p> <p><b>Hazard Statements</b><br/>Not classified under GHS regulation.</p> <p><b>Precautionary Statement(s):</b><br/>Not classified under GHS regulation.</p> <p><b>Storage:</b> Keep containers closed. In a dry cool area.</p> <p><b>Disposal:</b> Dispose contents / containers to an approved waste disposal plant.</p> |
| <b>Other Hazards</b>             | None known.   |

| Section 3. Composition and Information on Ingredients  |       |                   |      |
|--|-------|-------------------|------|
| Chemical Name  | CAS # | Concentration (%) | EC # |
| To the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with hazardous Products Regulation (HPR). |       |                   |      |

| Section 4. First-Aid Measures |  |
|-------------------------------|--|
| <b>Inhalation</b>             | If inhaled, remove patient to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop seek medical attention. |
| <b>Skin Contact</b>           | Remove all contaminated clothing and rinse skin with plenty of water and soap. If symptoms develop seek medical attention.   |

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|---|---|
| <b>Eye Contact</b>  | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, repeat flushing. If symptoms develop seek medical attention. |
| <b>Ingestion</b>  | Rinse mouth with water. Call a POISON CENTER or a doctor if you feel unwell.  |
| <b>Most Important Symptoms and Effects, Acute and Delayed</b> | <b>Inhalation:</b> No data available<br><b>Skin contact:</b> No data available<br><b>Eye contact:</b> No data available<br><b>Ingestion:</b> No data available  |
| <b>Immediate Medical Attention and Special Treatment</b>      | <b>Specific treatments:</b> Treat according to symptoms.<br><b>Protection of first-aiders:</b> No action shall be taken involving any personal risk or without suitable training.                         |

| Section 5. Fire-Fighting Measures                                     |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                                   | This product is not combustible. In case of fire, use extinguishing media appropriate to the surrounding fire conditions.  |
| <b>Unsuitable Extinguishing Media</b>                                 | No data available.   |
| <b>Specific Hazards Arising from the Product</b>                      | No data available.   |
| <b>Hazardous combustion products</b>                                  | No hazardous decomposition product known.  |
| <b>Special Protective Equipment and Precautions for Fire-Fighters</b> | Wear self-contained breathing apparatus for firefighting if necessary. Use water spray of fog for cooling exposed containers. In case of fire: stop leak if safe to do so. When cooling: no water in the substance. Avoid fire-fighting water from entering environment. |

| Section 6. Accidental Release Measures                                      |  |
|---|--|
| <b>Personal Precautions, Protective Equipment, and Emergency Procedures</b> | Use adequate personal protection. Wear protective glove and safety glass. Remove contaminated clothing immediately. Stop leak if safe to do so. Ventilate area.  |
| <b>Environmental Precautions</b>  | Avoid release to the environment.  |
| <b>Methods for Containment and Cleaning Up</b>                              | Absorb spill with inert materials such as clays, sand, earth or vermiculite and place in closed container for disposal. Clean the spill area after product complete removal. Wash clothing and equipment after handling. |

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| Section 7. Handling and Storage      |  |
|--------------------------------------|--|
| <b>Precautions for Safe Handling</b> | Wear adequate protective equipment (gloves and safety glasses). Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.<br><br>Avoid contact with eyes and skin. Avoid contact with incompatible materials (See section 10). |
| <b>Conditions for Safe Storage</b>   | Store in a cool place.   |

| Section 8. Exposure Controls and Personal Protection |   |      |          |      |             |                    |
|--|---|------|----------|------|-------------|--------------------|
| Control Parameters                                   |   |      |          |      |             |                    |
| Chemical Name  | ACGIH® TLV®   |      | OSHA PEL |      | AIHA® WEEL™ |                    |
|  | TWA   | STEL | TWA      | STEL | 8-hr TWA    | Short-term TWA [C] |
| Not applicable.                                      |   |      |          |      |             |                    |
| <b>Appropriate Engineering Controls</b>              | Not applicable.   |      |          |      |             |                    |
| <b>Individual Protection Measures</b>                | <b>Eye/Face Protection:</b> No eye protection is required in general.<br><b>Skin Protection:</b> No hand protection is required in general. Wash hand thoroughly after handling.<br><b>Respiratory Protection:</b> Respiratory protection is not required in general. |      |          |      |             |                    |

| Section 9. Physical and Chemical Properties            |                          |
|--|--------------------------|
| <b>Appearance, Physical State and Colour</b>           | Amber Liquid             |
| <b>Odour</b>   | Bacterial culture        |
| <b>Odour Threshold</b>                                 | No information available |
| <b>pH</b>  | 8.0 – 8.8                |
| <b>Melting Point and Freezing Point</b>                | No information available |
| <b>Initial Boiling Point and Boiling Range</b>         | No information available |
| <b>Flash Point</b>                                     | No information available |
| <b>Evaporation Rate</b>                                | No information available |
| <b>Flammability (solid, gas)</b>                       | No information available |
| <b>Upper and Lower Flammability or Explosive Limit</b> | No information available |
| <b>Vapour Pressure</b>                                 | No information available |
| <b>Vapour Density (air = 1)</b>                        | No information available |
| <b>Relative Density (water = 1)</b>                    | 1.00-1.03                |
| <b>Solubility in Water</b>                             | No information available |

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|---|--------------------------|
| <b>Solubility in Other Liquids</b>                        | No information available |
| <b>Partition Coefficient, n-Octanol / Water (Log Kow)</b> | No information available |
| <b>Auto-Ignition Temperature</b>                          | No information available |
| <b>Decomposition Temperature</b>                          | No information available |
| <b>Viscosity</b>  | Less than 10 cSt         |

| Section 10. Stability and Reactivity      |  |
|---|--|
| <b>Reactivity</b>                         | Unknown.   |
| <b>Chemical Stability</b>                 | Stable under recommended storage conditions.                           |
| <b>Possibility of Hazardous Reactions</b> | None under normal processing.  |
| <b>Conditions to Avoid</b>                | Avoid heat and direct sunlight to preserve the quality of the product. |
| <b>Incompatible Materials</b>             | Not applicable.  |
| <b>Hazardous Decomposition Products</b>   | No hazardous decomposition products known.                             |

| Section 11. Toxicological Information                            |  |
|--|--|
| <b>Likely Routes of Exposure</b>                                 | Ingestion. Contact with eye and skin                                   |
| <b>Acute Toxicity</b>  |  |
| <b>LC50</b>  | Not classified   |
| <b>LD50 (oral)</b>   | Not classified   |
| <b>LD50 (dermal)</b>   | Not classified   |
| <b>TWA</b>   | Not classified   |
| <b>Skin Corrosion / Irritation</b>                               | Not classified. Classification criteria are not met.                   |
| <b>Serious Eye Damage / Irritation</b>                           | Not classified. Classification criteria are not met.                   |
| <b>STOT (Specific Target Organ Toxicity) - Single Exposure</b>   | Not classified. Classification criteria are not met.                   |
| <b>Aspiration Hazard</b>   | Not classified. Classification criteria are not met.                   |
| <b>STOT (Specific Target Organ Toxicity) - Repeated Exposure</b> | Not classified. Classification criteria are not met.                   |
| <b>Respiratory and/or Skin Sensitization</b>                     | Not classified. Classification criteria are not met.                   |
| <b>Other</b>   | To the best of our knowledge, the chemical physical, and toxicological |

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|  |   |               |             |            |
|--|---|---------------|-------------|------------|
| <b>Injuries/Symptoms</b>   | properties have not been thoroughly investigated. |               |             |            |
| <b>Carcinogenicity</b>   |   |               |             |            |
| <b>Chemical Name</b>   | <b>IARC</b>                                       | <b>ACGIH®</b> | <b>OSHA</b> | <b>NTP</b> |
| The mixture or its components are either not listed or do not meet the classification criteria |   |               |             |            |
| <b>Reproductive Toxicity</b>   |   |               |             |            |
| <b>Development of Offspring</b>  | Not established                                   |               |             |            |
| <b>Sexual Function and Fertility</b>   | Not established                                   |               |             |            |
| <b>Effects on or via Lactation</b>   | Not established                                   |               |             |            |
| <b>Germ Cell Mutagenicity</b>  | Not established                                   |               |             |            |
| <b>Interactive Effects</b>   | Not established                                   |               |             |            |

|   |                   |
|---|-------------------|
| <b>Section 12. Ecological Information</b> |                   |
| <b>Ecotoxicity</b>                        | No data available |
| <b>Persistence and Degradability</b>      | No data available |
| <b>Bioaccumulative Potential</b>          | No data available |
| <b>Mobility in Soil</b>                   | No data available |
| <b>Other Adverse Effects</b>              | No data available |

|  |  |
|--|--|
| <b>Section 13. Disposal Considerations</b> |  |
| <b>Disposal Recommendations</b>            | Dispose of in accordance with federal, provincial and local regulations. Avoid release to the environment. |
| <b>Disposal of damaged packaging</b>       | Follow all SDS and label precautions even after container is emptied.                                      |

|  |               |                             |                                    |                      |
|--|---------------|-----------------------------|------------------------------------|----------------------|
| <b>Section 14. Transport Information</b> |               |                             |                                    |                      |
| <b>Regulation</b>                        | <b>UN No.</b> | <b>Proper Shipping Name</b> | <b>Transport Hazard Class (es)</b> | <b>Packing Group</b> |
| Canada TDG                               |               |                             | Not regulated                      |                      |
| US DOT                                   |               |                             | Not regulated                      |                      |
| IATA                                     |               |                             | Not regulated                      |                      |
| IMDG                                     |               |                             | Not regulated                      |                      |

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| Section 15. Regulatory Information                  |   |
|---|---|
| <b>Safety, Health and Environmental Regulations</b> | <p><b>Canada</b></p> <p><b>WHIMIS 2015 Classification</b><br/>         Not controlled.</p> <p><b>Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)</b><br/>         All ingredients are listed on the DSL list.</p> <p><b>CEPA - National Pollutant Release Inventory (NPRI)</b><br/>         No data available.</p> <p><b>USA</b></p> <p><b>Toxic Substances Control Act (TSCA) Section 8(b)</b><br/>         All ingredients are listed</p> <p><b>SARA 302 Components</b><br/>         No chemical in this material are subject to the reporting requirement of SARA Title III, Section 302</p> <p><b>SARA 313 Components</b><br/>         This material does not contain any chemical components with known CAS number that exceed the threshold reporting level established by SARA Title III Section 313</p> <p><b>SARA 311/312 Hazard</b><br/>         No SARA hazard</p> <p><b>California Proposition 65 Components:</b> This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.</p> |

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| Section 16. Other information  |                     |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
|--|---------------------|--------|---|--------------|---|-----------------|---|---------------------|--|---|---------------|---|-------------|---|------------|--|-----------------|
| <p><b>HMIS RATINGS</b></p> <table border="1"> <tr> <td>0</td> <td>HEALTH</td> </tr> <tr> <td>0</td> <td>FLAMMABILITY</td> </tr> <tr> <td>0</td> <td>PHYSICAL HAZARD</td> </tr> <tr> <td>B</td> <td>PERSONAL PROTECTION</td> </tr> </table>   | 0                   | HEALTH | 0 | FLAMMABILITY | 0 | PHYSICAL HAZARD | B | PERSONAL PROTECTION | <p><b>NFPA RATINGS</b></p> <table border="1"> <tr> <td>0</td> <td>HEALTH HAZARD</td> </tr> <tr> <td>0</td> <td>FIRE HAZARD</td> </tr> <tr> <td>0</td> <td>REACTIVITY</td> </tr> <tr> <td></td> <td>SPECIFIC HAZARD</td> </tr> </table> | 0 | HEALTH HAZARD | 0 | FIRE HAZARD | 0 | REACTIVITY |  | SPECIFIC HAZARD |
| 0  | HEALTH              |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
| 0  | FLAMMABILITY        |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
| 0  | PHYSICAL HAZARD     |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
| B  | PERSONAL PROTECTION |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
| 0  | HEALTH HAZARD       |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
| 0  | FIRE HAZARD         |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
| 0  | REACTIVITY          |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
|  | SPECIFIC HAZARD     |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |
| <p><b>Key to abbreviations</b></p> <p><b>ACGIH®</b> = American Conference of Governmental Industrial Hygienists. <b>TLV®</b> = Threshold Limit Value. <b>TWA</b> = Time-Weighted Average. <b>STEL</b> = Short-term Exposure Limit. <b>OSHA</b> = US Occupation Safety and Health Administration. <b>PEL</b> = Permissible Exposure Limits. <b>AIHA®</b> = AIHA Guideline Foundation. <b>WEEL™</b> = Workplace Environmental Exposure Limit. <b>IARC</b> = International Agency for Research on Cancer. <b>NTP</b> = National Toxicology Program.</p> |                     |        |   |              |   |                 |   |                     |  |   |               |   |             |   |            |  |                 |

While the company believes the data set forth herein are accurate as the date hereof, the company makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data are offered solely for your consideration and verification.

Prepared by Rolf C. Hagen Inc.  
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Validated: July 21<sup>st</sup> 2018