



# MATERIAL SAFETY DATA SHEET

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

|                              |
|------------------------------|
| <b>Nutrafin ChlorXchange</b> |
|                              |
| A7985                        |

Page 1 of 4

| Section I. Product and Company Identification |   |
|---|---|
| Product name                                  | ChlorXchange  |
| CAS #   | Mixture   |
| Use   | To remove chlorine from aquarium water                            |
| Supplier                                      | Rolf C. Hagen Inc., 20 500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2 |
| Emergency                                     | Call your local poison control center                             |

| Section II. Hazards Identification |  |
|------------------------------------|--|
| WHMIS                              | Classification                                 |
|                                    | D2B Toxic Material causing other toxic effects |

| Section III. Composition and Information on Ingredients |           |           |           |
|---|-----------|-----------|-----------|
| Ingredients   | Conc. (%) | CAS #     | EC #      |
| Edetic Acid   | 1-5       | 60-00-4   | 200-449-4 |
| Potassium Hydroxide                                     | 1-5       | 1310-58-3 | 215-181-3 |

| Section IV. First Aid Measures |   |
|--------------------------------|---|
| Eye contact                    | Flush eyes with copious quantities of water holding lids apart to ensure flushing of the entire surface for a minimum of 15 minutes. Seek medical attention if irritation develops or persists. |
| Skin contact                   | Wash exposed area with plenty of water and soap.  |
| Inhalation                     | Move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.  |
| Ingestion                      | Seek medical assistance.  |

| Section V. Fire Fighting Measures                                   |  |
|---|--|
| Suitable extinguishing media  |  |
| Use extinguishing media appropriate to surrounding fire conditions. |  |
| Specific hazards arising from the chemical                          |  |
| Not considered to be a fire hazard.                                 |  |
| Special protective actions for fire-fighters                        |  |
| Wear adequate personal protection.                                  |  |

| Section VI. Accidental Release Measures |  |
|---|--|
| Person-related safety precautions       | Avoid direct contact with skin, eyes and clothing. Wear rubber gloves and boots. |
| Measures for environmental protection   | Prevent entry into drains, waterways or sewers.                                  |



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|----------------------------------|--|
| Measures for cleaning/collecting | Contain and absorb spills or leak with suitable absorbent material. Place solid residue into drums or other appropriate containers for off-site disposal. Dispose waste material in municipal or industrial landfill as allowed by regulatory authorities. |
|----------------------------------|--|

|   |
|---|
| <b>Section VII. Handling and Storage</b>  |
| Handle in accordance with good industrial hygiene and safety practices. After handling and before eating, drinking or smoking, wash hands and face thoroughly with soap and water. Prevent accidental contact with incompatible chemicals. Store product in a closed container and in a cool, dry area, well ventilated area. |

|  |                 |
|--|-----------------|
| <b>Section VIII. Exposure Controls and Personal Protection</b> |                 |
| Protective clothing  | Not applicable. |
| Engineering controls   | Not applicable. |

|   |                         |
|---|-------------------------|
| <b>Section IX. Physical and Chemical Properties</b> |                         |
| Appearance (physical state, color, etc) / Odor      | Clear liquid. Odorless. |
| Odor threshold                                      | Data not available      |
| pH  | 9.3-9.7                 |
| Melting point / Freezing point                      | Data not available      |
| Initial boiling point and boiling range             | Data not available      |
| Flash point   | Not applicable          |
| Evaporation rate                                    | Data not available      |
| Flammability (solid, gas)                           | Not applicable          |
| Upper / Lower flammability                          | Not applicable          |
| Vapor pressure                                      | Data not available      |
| Vapor density                                       | Data not available      |
| Liquid density                                      | Data not available      |
| % Volatile  | Data not available      |
| Specific gravity                                    | 1.25                    |
| Solubility  | Soluble in water        |
| Coefficient of Water/Oil distribution               | Data not available      |
| Auto-ignition temperature                           | Not applicable          |
| Decomposition temperature                           | Data not available      |
| Viscosity   | Data not available      |

|  |  |
|--|--|
| <b>Section X. Stability and Reactivity</b> |  |
| Instability conditions                     | Stable under recommended storage conditions. |

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| A7985                        |

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| Conditions to avoid              | Avoid contact with oxidizing materials and aluminum. |
| Materials to avoid               | Oxidizing agents and light metals.                   |
| Hazardous decomposition products | Data not available.                                  |
| Hazardous polymerization         | No risk of dangerous polymerization.                 |

| Section XI. Toxicological Information |  |
|---------------------------------------|--|
| Route of exposure                     | Conclusion / Remarks   |
| Skin                                  | May be irritating with prolonged contact.  |
| Eye                                   | May cause irritation with contact  |
| Inhalation                            | Not available  |
| Ingestion                             | Will cause irritation of the intestinal lining and other gastrointestinal disturbances. Specifics not available. |
| Mutagenicity                          | Not available  |
| Carcinogenicity                       | Not available  |
| Reproductive toxicity                 | Not available  |
| STOT-single exposure                  | Not available  |
| STOT-repeated exposure                | Not available  |
| Aspiration hazard                     | Not available  |
| Acute toxicity                        | Orally toxic, slight dermal toxicity.  |
| Chronic Overexposure                  | Not available  |

| Section XII. Ecological Information |               |
|-------------------------------------|---------------|
| Ecotoxicity                         | Not available |
| Mobility                            | Not available |
| Persistence and Degradability       | Not available |
| Bioaccumulation potential           | Not available |

| Section XIII. Disposal Considerations |  |
|---------------------------------------|--|
| Disposal recommendations              | Dispose waste material in municipal or industrial landfill in accordance with federal, provincial and local regulations.         |
| Disposal of damaged packaging         | If the container contains residue of a hazardous product, follow all MSDS and label precautions even after container is emptied. |
| Regulatory disposal information       | Data not available   |

| Section XIV. Transport Information |                |
|------------------------------------|----------------|
| T.D.G. Classification              | Not applicable |

| Section XV. Regulatory Information |  |
|------------------------------------|--|
|------------------------------------|--|



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Page 4 of 4

Not available

### Section XVI. Other information

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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