



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

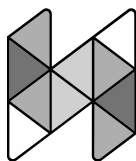
Brand: Fluval / AquaClear
Trade Name: Ammonia Remover

Section 1. Product and company information	
Product Name	Amrid / Ammonia Remover
Product Code	A596/A601/A611/A616/A621/A1402/ A1410/A1412/ A1414/ A1416/ A1480/ A1486/ A1487 19630/19631/19632/19633/19634/19635
Recommended Use and restrictions on Use	Ammonia removal in Aquaria
Supplier	Rolf C. Hagen Inc., 20500 Trans Canada Hwy, Baie d'Urfé, H9X 0A2 Canada
Emergency Telephone Number	Call your local poison control center

Section 2. Hazard Identification	
Classification	Not applicable
GHS Label Elements	Hazard Pictograms: N/a Signal Word: N/a Hazard Statements: N/a Precautionary Statement(s):N/a Storage: Store in cool, well-ventilated area. Disposal: N/a
Other Hazards	None known.

Section 3. Composition and Information on Ingredients			
Chemical Name; Hydrated Calcium Aluminosilicate, of sedimentary origin.	CAS # Natural Zeolite 1318-02-1 Clinoptilolite 12173-10-3	Concentration (%) 90->100%	EC # 215-283-8
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	
Inhalation	In case of large spill, remove from dusty area to fresh air. If not breathing give artificial respiration. Contact medical attention if cough or respiratory symptoms develop
Skin Contact	Wash with soap and water. Get medical attention if irritation develops.
Eye Contact	Flush eye with large amount of running water. Get medical attention if irritation develops.
Ingestion	Give one or two glass of water to drink. Contact medical attention if gastrointestinal symptoms develop.
Most Important Symptoms and Effects, Acute and Delayed	Inhalation: Non-irritating. Skin contact: Mild irritation is possible due to abrasive action of dust. Eye contact: May cause physical irritation. Ingestion: Possible mild irritation of respiratory tract due to drying. Nonn-Toxic
Immediate Medical Attention and Special	Specific treatments: Treat according to symptoms. Protection of first-aiders: No action shall be taken involving any personal risk or without



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Treatment	suitable training.
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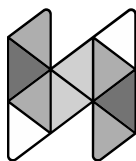
Section 5. Fire-Fighting Measures	
Suitable Extinguishing Media	Uitable extinguishing media
Unsuitable Extinguishing Media	Use extinguishing media appropriate to surrounding fire conditions.
Specific Hazards Arising from the Product	Not applicable
Hazardous combustion products	Not applicable
Special Protective Equipment and Precautions for Fire-Fighters	Not applicable

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment, and Emergency Procedures	Wear rubber gloves and boots. Safety glasses are recommended to reduce skin contact. Wear approved respirators
Environmental Precautions	No toxic effects. Clean up and recover as suitable.
Methods for Containment and Cleaning Up	Dispose according to local and regional authority requirements.

Section 7. Handling and Storage	
Precautions for Safe Handling	Wash thoroughly after handling.
Conditions for Safe Storage	Store dry at ambient temperature away from food and beverages. Avoid contact with eyes and skin

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]
Appropriate Engineering Controls	Non volatile					
Individual Protection Measures	Eye/Face Protection: Safety glasses are recommended Skin Protection: Rubber/cloth/plastic gloves are recommended Respiratory Protection: It is recommended to wear a qualified mask					

Section 9. Physical and Chemical Properties
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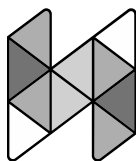
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Appearance, Physical State and Colour	Solid; granular grey with crushed chip
Odour	Tasteless
Odour Threshold	Non volatile
pH	8.1
Melting Point and Freezing Point	>1.000 deg C
Initial Boiling Point and Boiling Range	Non volatile
Flash Point	Non volatile
Evaporation Rate	Non volatile
Flammability (solid, gas)	Non volatile
Upper and Lower Flammability or Explosive Limit	Non volatile
Vapour Pressure	Non volatile
Vapour Density (air = 1)	Non volatile
Relative Density (water = 1)	Non volatile
Solubility in Water	Insoluble in water
Solubility in Other Liquids	Non volatile
Partition Coefficient, n-Octanol / Water (Log Kow)	Non volatile
Auto-Ignition Temperature	Non volatile
Decomposition Temperature	Non volatile
Viscosity	Non volatile

Section 10. Stability and Reactivity	
Reactivity	Stable under normal conditions.
Chemical Stability	Avoid contact with strong acids / alkali.
Possibility of Hazardous Reactions	Non volatile
Conditions to Avoid	Avoid contact with strong acids / alkali.
Incompatible Materials	Product does not polymerize.
Hazardous Decomposition Products	Non volatile

Section 11. Toxicological Information	
Likely Routes of Exposure	Non volatile
Acute Toxicity	
LC50	Non volatile
LD50 (oral)	Non volatile
LD50 (dermal)	Non volatile
TWA	Non volatile
Skin Corrosion / Irritation	Mild irritation is possible due to abrasive action of dust. Non-corrosive
Serious Eye Damage / Irritation	Flush eye with large amount of running water. Get medical attention if irritation develops. Non-corrosive
STOT (Specific Target Organ Toxicity) - Single Exposure	Non volatile
Aspiration Hazard	Non volatile
STOT (Specific Target Organ Toxicity) - Repeated Exposure	Non volatile
Respiratory and/or	In case of large spill, remove from dusty area to fresh air. If not



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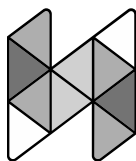
Skin Sensitization	breathing give artificial respiration. Contact medical attention if cough or respiratory symptoms develop			
Other Injuries/Symptoms	Non volatile			
Carcinogenicity				
Chemical Name	IARC	ACGIH®	OSHA	NTP
Reproductive Toxicity				
Development of Offspring	Non volatile			
Sexual Function and Fertility	Non volatile			
Effects on or via Lactation	Non volatile			
Germ Cell Mutagenicity	Non volatile			
Interactive Effects	Non volatile			

Section 12. Ecological Information	
Ecotoxicity	Non volatile
Persistence and Degradability	Non volatile
Bioaccumulative Potential	Non volatile
Mobility in Soil	Non volatile
Other Adverse Effects	Non volatile

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

Section 14. Transport Information				
Regulation	UN No.	Proper Shipping Name	Transport Hazard Class (es)	Packing Group
Canada TDG				
US DOT			Datos no regulados	
IATA			No restringido por la disposición especial A3	
IMDG				

Section 15. Regulatory Information	
Safety, Health and Environmental Regulations	<p>Canada</p> <p>Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)</p> <p>USA</p> <p>Toxic Substances Control Act (TSCA) Section 8(b): Not Listed</p> <p>Clean Water Act:N/a</p>



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<p>SARA 302 Components: N/a SARA 313 Components: N/a SARA 311/312 Hazard: N/a</p> <p>California Proposition 65 Components: This product does not contain any Proposition 65 chemicals</p>

Section 16. Other information																	
<p>HMIS RATINGS</p> <table border="1"> <tr> <td>0</td> <td>HEALTH</td> </tr> <tr> <td>1</td> <td>FLAMMABILITY</td> </tr> <tr> <td>0</td> <td>PHYSICAL HAZARD</td> </tr> <tr> <td>0</td> <td>PERSONAL PROTECTION</td> </tr> </table>	0	HEALTH	1	FLAMMABILITY	0	PHYSICAL HAZARD	0	PERSONAL PROTECTION	<p>NFPA RATINGS</p> <table border="1"> <tr> <td>0</td> <td>HEALTH HAZARD</td> </tr> <tr> <td>1</td> <td>FIRE HAZARD</td> </tr> <tr> <td>0</td> <td>REACTIVITY</td> </tr> <tr> <td>0</td> <td>SPECIFIC HAZARD</td> </tr> </table>	0	HEALTH HAZARD	1	FIRE HAZARD	0	REACTIVITY	0	SPECIFIC HAZARD
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Key to abbreviations

ACGIH® = American Conference of Governmental Industrial Hygienists. **TLV®** = Threshold Limit Value. **TWA** = Time-Weighted Average. **STEL** = Short-term Exposure Limit. **OSHA** = US Occupation Safety and Health Administration. **PEL** = Permissible Exposure Limits. **AIHA®** = AIHA Guideline Foundation. **WEEL™** = Workplace Environmental Exposure Limit. **IARC** = International Agency for Research on Cancer. **NTP** = National Toxicology Program.

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.