Safety Data Sheet

ResinRevive 6.



Effective Date: 07/08/2024



SECTION 1: IDENTIFICATION	
1A: Product Names	ResinRevive
1B: Common Name	Cation Exchange Resin Cleaner
1C: Intended Use	Used for removal of iron and other foulants from ion exchange systems.
1D: Manufacturer Address	ResinTech Global Headquarters 1801 Federal Street Camden, NJ USA 08105
Contact Information	sales@hrh2o.com, (608) 524-4341



SECTION 2: HAZARD IDEN	ITIFICATION
 2A: OSHA Hazard Classification 0 = Negligible 1 = Slight 2 = Moderate 3 = High 4 = Extreme 	 Corrosive, severe skin burns, and eye damage Health: 2 (2 = Moderate) Fire: 0 (0 = Negligible) Reactivity: 0 (0 = Negligible) Special: N/A
DANGER	 (Contains phosphoric acid & Alkyl [C12, C14, C16] Dimethyl Benzyl Ammonium Chloride) H314: Causes severe skin burns and eye damage Skin Corrosion: Category 1B Serious Eye Damage: Category 1
Precautionary Statements	 P264: Wash hands thoroughly after handling P280: Wear protective gloves/protective clothing/eye protection/ face protection P260: Do not breathe mist/vapors/spray P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/ shower P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P363: Wash Contaminated Clothing before reuse P405: Store locked up P501: Dispose of contents/containers in accordance with local regulations
2B: Product Description	Phosphoric Acid
2C: Precautions for Use	Wear protective gloves and eye protection.
Potential Health Effects	Causes severe skin burns and eye damage.
2D: Environmental Effects	See section 12.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS	
3A: Chemical Name	Mixture
3B: Ingredients: Phosphoric Acid	CAS# 7664-38-2 (2-20%)
 Alkl (C12, C14, C16) Dimethyl Benzyl Ammonium Chloride 	CAS# 68424-85-1 (<1%
Water	CAS# 7732-18-5 (60-90%)



SECTION 4: FIRST AID MEASURES	
General Information:	Immediately remove any clothing soiled by the product. Isolate all contaminated clothing and shoes. Take affected person(s) out into fresh air. Seek prompt medical attention.
4A: Inhalation	Supply fresh air; administer oxygen if breathing is difficult; do not use mouth-to-mouth on victim, use a pocket mask, or other respiratory medical device if victim is not breathing.
4B: Skin	Immediately rinse with water for 20 minutes, wash affected skin with soap & water. Seek medical help for blistering or open wounds.
4C: Eye Contact	Immediately flush eyes with running water for at least 20 min., remove contacts (if applicable). Seek immediate medical help, preferably with an ophthalmologist.
4D: Ingestion	Rinse out mouth and drink plenty of water, do NOT induce vomiting; call for medical help immediately. Do not leave victim unattended.
SECTION 5: FIRE FIGHTING MEASURES	
5A: Flammability	NFPA Fire rating = 0
5B: Extinguishing media	Use fire extinguishing methods suitable to the surrounding conditions.
5C: Fire fighting Procedures	Follow general fire fighting procedures indicated in the work place. Secure area to prevent run-off and possible water source contamination.
5C: Fire fighting Procedures 5D: Protective Equipment	place. Secure area to prevent run-off and possible water source
	place. Secure area to prevent run-off and possible water source contamination. MSHA/NIOSH approved self-contained breathing gear, full protective

case of fire.



SECTION 6: ACCIDENTAL	RELEASE MEASURES
6A: Personal Precautions	Wear protective equipment. Keep unprotected persons away. Use respiratory device against the effects of fumes/dust/aerosol. Ensure adequate ventilation.
6B: Incompatible Chemicals	Fluorine, strong oxidizing or reducing agents, strong bases, metals, sulfur trioxide, phosphorous pentoxide.
6C: Environmental Precautions	Keep out of public sewers and waterways.
6D: Containment Materials	Use plastic or suitable metal containers.
6E: Methods of Clean-up	Exercise caution during neutralization, as considerable heat may be generated, causing sudden spattering and foaming. Use limestone, soda ash or baking soda to neutralize and absorb spills. Sweep up and shovel into suitable closed containers for disposal. Avoid generating and breathing any dusts. Dispose of contaminated material in accordance with Section 13.
SECTION 7: HANDLING AI	ND STORAGE
7A: Handling	Avoid prolonged skin contact. Keep resin moist and avoid allowing resin to completely dry.
7B: Storage	Keep containers tightly closed in a cool, dry, well ventilated place. Keep away from incompatible materials, especially strong bases. Store in plastic, glass or stainless steel containers. Do not store in mild steel or aluminum containers. Do NOT store with food products.
7C: TSCA Considerations	All ingredients are listed on the TSCA Inventory in compliance with State and Federal Regulations.



SECTION 8: EXPOSURE CO	ONTROLS/PERSONAL PROTECTION
8A: OSHA Exposure Limits Ingredients with limit values that require monitoring at the workplace: 7664-38-2 phosphoric acid IOELV (EU)	
Short-term Value:Long-term Value:	2 mg/m ³ 1 mg/m ³
PEL (USA)	1 mg/m ³
REL (USA) • Short-term Value: • Long-term Value:	3 mg/m ³ 1 mg/m ³
TVL (USA)Short-term Value:Long-term Value:	3 mg/m ³ 1 mg/m ³
EL (Canada)	
Short-term Value:Long-term Value:	3 mg/m ³ 1 mg/m ³
EV (Canada)	
Short-term Value:Long-term Value:	3 mg/m ³ 1 mg/m ³
8B: Engineering Controls	Provide adequate ventilation.
8C: Personal Protection Measures	 Eye Protection - Wear goggles (or face shield with safety glasses). Contact lenses should not be worn. An emergency eyewash must be readily available and accessible Respiratory Protection - Use a suitable respiratory protective device, per OSHA 29 CFR 1910.134 when aerosol or mist is formed, or in case of insufficient ventilation. For spills, respiratory protection is advised Protective Gloves - Wear protective gloves selected for both durability and permeation resistance. Nitrile rubber, Butyl rubber and Neoprene gloves are generally appropriate, but selection of the glove material must be confirmed by the glove manufacturer Body protection - Wear acid resistant protective clothing, apron or full body suit, as needed



SECTION 9: PHYSICAL AN	D CHEMICAL PROPERTIES
Appearance	Colored Liquid
Flammability or Explosive Limits	N/A
Odor	Slight
Physical State	Liquid
Vapor Pressure	Not Available
Odor Threshold	Not Determined
Vapor Density	Not Determined
pH at 20 Degrees Celsius	<1
Relative Density	Not Determined
Melting Point/Freezing Point	Approx9 Degrees Celsius
Solubility	Completely Miscible in Water
Boiling Point	Approx. 101 Degrees Celsius
Evaporation Rate	Not Determined
Auto-ignition Temperature	Not Determined
Decomposition Temperature	Not Determined
Viscosity	Not Determined
SECTION 10: STABILITY 	AND REACTIVITY
10A: Stability	No decomposition if used and stored according to specifications.
10B: Conditions to Avoid	Incompatible Materials
10C: Hazardous By-products	Oxides of Phosphorous
10D: Incompatible Materials	Flourine, strong oxidizing or reducing agents, strong bases, metals, sulfur trioxide, phosphorous pentoxide.
10E: Combustion Products	Doe Not Occur



SECTION 11: TOXICOLOG	CAL INFORMATION
11A: Likely Routes of Exposure	Skin, respiratory or eye contact.
11B: Effects of Exposure	 Delayed - Irritation of skin and mucous membranes Immediate (acute) - May cause mild to severe irritation or chemical burn to skin, eye and mucous membranes Ingestion may lead to damage to the mouth and throat, and the potential for perforation of the esophagus and stomach Chronic - No sensitizing effects known
11C: Toxicity Measures	 Skin Adsorption - Not available Eye - Not available Ingestion - Not available Inhalation - Not available
11D: Toxicity Symptoms	 Skin Adsorption - Mild rash to severe chemical burn Ingestion - Burns to the mouth and throat, and the potential for perforation of the esophagus and stomach Inhalation - Irritation or chemical burn to mucous membranes
11E: Carcinogenicity	None known
SECTION 12: ECOLOGICA	L INFORMATION CONTRACTOR CONTRACT
12A: Eco toxicity	This product contains materials that are harmful to the environment.
12B: Mobility	Do not allow un-neutralized product to reach ground water, water course or sewage system.
12C: Biodegradability	See Note Below
12D: Bioaccumulation	See Note Below
12E: Other adverse effects	Not Available
General Notes:	No specific biodegradation test data located. While acidity of this material may be readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.



SECTION 13: DISPOSAL CONSIDERATIONS	
13A: General Considerations	Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
13B: Disposal Containers	Use plastic or suitable metal containers.
13C: Disposal Methods	Dispose of contents and/or containers in accordance with local, state and federal regulations. Thoroughly rinse empty containers with water before disposing of containers in trash.
13D: Sewage Disposal	Not Recommended

SECTION 14: TRANSPORTATION INFORMATION 14A: Transportation Class Shipping name: PHOSPHORIC ACID, LIQUID ID Number: UN1805 Hazard Class: 8 Corrosive Substances Labeling Class: 8 14B: TDG Packing Group: III Explosive Limit and Limited Quantity Index: 5.00 Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index: 5.00 Shipping name: Phosphoric Acid Solution ID Number: UN1805 14C: IATA Hazard Class: 8 Corrosive Substances Labeling Class: 8 Packing Group: III Shipping name: Phosphoric acid solution ID Number: UN1805 Hazard Class: 8 Corrosive Substances Labeling Class: 8 14D: DOT (49 CFR 172.101) Packing Group: III Passenger aircraft/rail: 5.00 L Cargo aircraft/rail 60.00 L Shipping name: Phosphoric Acid Solution ID Number: UN1805 14E: IMO/IMDG Hazard Class: 8 Corrosive Substances



SECTION 15: REGULATORY INFORMATION	
15A: CERCLA	None of the ingredients are listed.
15B: SARA Title III	 Section 302: None of the ingredients is listed Section 311/312: 7664-38-2 / Phosphoric acid Section 313: None of the ingredients is listed Section 355: None of the ingredients is listed
15C: Clean Air Act	7664-38-2 / Phosphoric acid
15D: Clean Water Act	7664-38-2 / Phosphoric acid
15E: TSCA	All ingredients are listed.
15F: Canadian Regulations	WHMIS - 7664-38-2 / Phosphoric acidTDG - See Section 14
15G: Proposition 65 (California)	None of the ingredients are listed.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features. Regulatory requirements are subject to change and may differ from one location to another. It is the buyer's responsibility to ensure that their activities comply with federal, state, and local laws.

16A: Date of Revision	07/08/2024
-----------------------	------------

