Section 1: Identification

1a Product Names
ResinTech WBACR, WBACR-OH, WBACR-HP, WBACR-LP, WBACR-HC

1b Common Name
Acrylic weak base anion resin

1c Intended use
Acid adsorption and other applications where a weak base exchange is desired.

1d Manufacturer
ResinTech, Inc.
Address
1801 Federal Street
Camden, NJ 08105 USA
Phone
856-768-9600
Email
ixresin@resintech.com

Section 2: Hazard Identification

2a OSHA Hazard classification
Not hazardous or dangerous

<table>
<thead>
<tr>
<th>Product Hazard Rating</th>
<th>Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health = 1</td>
<td>0 = Negligible</td>
</tr>
<tr>
<td>Fire = 1</td>
<td>1 = Slight</td>
</tr>
<tr>
<td>Reactivity = 0</td>
<td>2 = Moderate</td>
</tr>
<tr>
<td>Special – N/A</td>
<td>3 = High</td>
</tr>
<tr>
<td></td>
<td>4 = Extreme</td>
</tr>
</tbody>
</table>

2b Product description
White to cream colored solid beads approximately 0.6 mm diameter with slight amine odor.

2c Precautions for use
Safety glasses and gloves recommended. Slipping hazard if spilled.

2c Potential health effects
Will cause eye irritation. May cause mild skin irritation. Ingestion is not likely to pose a health risk.

2d Environmental effects
This product may alter the pH of any water that contacts it.
Warning (contains weak base anion resin)

H316: Causes mild skin irritation (Category 3)
H319: Causes serious eye irritation (Category 2A)

Precautionary Statements

P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection
P284: In case of inadequate ventilation wear respiratory protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P333+313: If skin irritation or a rash occurs: Get medical advice/attention.
P337+313: If eye irritation persists get medical advice/attention.
P403+233: Store in a well-ventilated place. Keep container tightly closed.
P411: Store at temperatures not exceeding 50 °C/ 122 °F.

Please refer to the safety data sheet for additional information regarding this product.
Section 3: Composition/ Information on Ingredients

3a Chemical name
Polyacrylic copolymer functionalized with dimethylamine

3b Ingredients
Polyacrylic copolymer functionalized, with dimethylamine
CAS# 65889-87-8 (30 - 60%)

Water
CAS# 7732-18-5 (40 – 70%)

Section 4: First Aid Measures

4a Inhalation
No adverse effects expected - normal use of product does not produce odors or vapors.

4b Skin
Wash with soap and water - seek medical attention if a rash develops.

4c Eye contact
Wash immediately with water - seek attention if discomfort continues.

4d Ingestion
No adverse effects expected for small amounts, larger amounts can cause stomach irritation. Seek medical attention if discomfort occurs.

Section 5: Fire Fighting Measures

5a Flammability
NFPA Fire rating = 1

5b Extinguishing media
Water, CO2, foam, dry powder

5c Fire fighting Procedures
Follow general fire fighting procedures indicated in the work place.

5d Protective Equipment
MSHA/NIOSH approved self-contained breathing gear, full protective clothing.

5e Combustion Products
Carbon oxides and other toxic gasses and vapors.

5f Unusual Hazards
Product is not combustible until moisture is removed. Resin begins to burn at approximately 230º C. Auto ignition can occur above 500º C.
### Section 6: Accidental Release Measures

#### 6a Personal Precautions
Keep people away, spilled resin can be a slipping hazard, wear gloves and safety glasses to minimize skin or eye contact.

#### 6b Incompatible Chemicals
Strong oxidants can create risk of combustion products similar to burning, exposure to strong acids can cause a rapid temperature increase.

#### 6c Environmental Precautions
Keep out of public sewers and waterways.

#### 6d Containment Materials
Use plastic or paper containers, unlined metal containers not recommended.

#### 6e Methods of Clean-up
Sweep up material and transfer to containers.

### Section 7: Handling and Storage

#### 7a Handling
Avoid prolonged skin contact. Avoid contact with salts or with salty water to prevent premature exhaustion of the resin. Keep resin moist and avoid allowing resin to completely dry.

#### 7b Storage
Store in a cool dry place (0° to 45° C) in the original shipping container. This product is thermally sensitive and will have reduced shelf life if subjected to extended periods of time at temperatures exceeding 50° C. Although freezing does not usually damage ion exchange resins, avoid repeated freeze thaw cycles.

#### 7c TSCA considerations
Ion exchange resins should be listed on the TSCA Inventory in compliance with State and Federal Regulations.

### Section 8: Exposure Controls/Personal Protection

#### 8a OSHA exposure limits
None noted.

#### 8b Engineering Controls
Provide adequate ventilation.

#### 8c Personal Protection Measures

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye Protection</strong></td>
<td>Safety glasses or goggles.</td>
</tr>
<tr>
<td><strong>Respiratory Protection</strong></td>
<td>Not required for normal use.</td>
</tr>
<tr>
<td><strong>Protective Gloves</strong></td>
<td>Not required for limited exposure but recommended for extended contact.</td>
</tr>
</tbody>
</table>
### Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White or cream colored beads approx. 0.6 mm diameter.</td>
</tr>
<tr>
<td>Flammability or explosive limits</td>
<td>Flammable above 500º C</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild amine odor</td>
</tr>
<tr>
<td>Physical State</td>
<td>Solid</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Basic when mixed with water</td>
</tr>
<tr>
<td>Relative density</td>
<td>Approx 680 grams/Liter</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Does not melt, freezes at approx. 0 C</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in water and most solvents</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Does not boil</td>
</tr>
<tr>
<td>Flash point</td>
<td>Approx 500º C</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Does not evaporate</td>
</tr>
<tr>
<td>Partition Coefficient (n-octanol/water)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Approx 500º C</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Above 230º C</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

### Section 10: Stability and Reactivity

10a Stability                          Stable under normal conditions.
10b Conditions to Avoid                 Heat, exposure to strong oxidants.
10c Hazardous by-products               Dimethylamine, charred polyacrylate, aromatic acids and hydrocarbons, organic amines, nitrogen oxides, carbon oxides, chlorinated hydrocarbons.
10d Incompatible materials              Strong oxidizing agents (such as HNO₃)
10e Hazardous Polymerization            Does not occur
Section 11: Toxicological Information

11a Likely Routes of Exposure
Oral, skin or eye contact.

11b Effects of exposure
- Delayed: None known.
- Immediate (acute): Rash or burn caused by causticity.
- Chronic: None known.

11c Toxicity Measures
- Skin Adsorption: Unlikely, some transfer of causticity is possible.
- Ingestion: Oral toxicity believed to be low but no LD50 has been established.
- Inhalation: Unknown, vapors are very unlikely due to physical properties (insoluble solid).

11d Toxicity Symptoms
- Skin Adsorption: Rash or burn.
- Ingestion: Indigestion or general malaise.
- Inhalation: Unknown.

11e Carcinogenicity
None known

Section 12: Ecological information

12a Eco toxicity
Not acutely harmful to plant or animal life.

12b Mobility
Insoluble, causticity may escape if wet.

12c Biodegradability
Not biodegradable.

12d Bioaccumulation
Insignificant.

12e Other adverse effects
Not Harmful to the environment.
**Section 13: Disposal Considerations**

13a General considerations  
Material is non-hazardous. However, unused material can cause a pH increase when wetted.

13b Disposal Containers  
Most plastic and paper containers are suitable. Avoid use of unlined metal containers.

13c Disposal methods  
No specific method necessary.

13d Sewage Disposal  
Not recommended.

13e Precautions for incineration  
May release dimethylamine and toxic vapors when burned.

13f Precautions for landfills  
PpH of spent resin may be high. Resins used to remove hazardous materials may then become hazardous mixtures.

**Section 14: Transportation Information**

14a Transportation Class  
Not classified as a dangerous good for transport by land, sea, or air.

14b TDG  
Not regulated.

14c IATA  
Not regulated.

14d DOT (49 CFR 172.101)  
Not Regulated.

**Section 15: Regulatory Information**

15a CERCLA  
Not regulated

15b SARA Title III  
Not regulated

15c Clean Air act  
Not regulated

15d Clean Water Act  
Not regulated

15e TSCA  
Not regulated

15f Canadian Regulations  
WHMIS  
Not a controlled product

TDG  
Not regulated

15g Mexican Regulations  
Not Dangerous
The information provided in this safety data sheet is presented in good faith and believed to be accurate as of the effective data shown above. However, no warranty or guarantee of accuracy, express or implied is given. 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 10 January 2020