



**Cationic Coagulants – Inorganic and Organic Blends**

| <b>Product</b>           | <b>Form</b>   | <b>Use</b>   | <b>Parameters</b>  | <b>Comments</b>  |
|--------------------------|---|--|--|--|
| <b>Aquapure™ I-300</b>   | <ul style="list-style-type: none"> <li>• Ferrous cationic polymer blend</li> </ul>                                      | <ul style="list-style-type: none"> <li>• General metal finishing and metal processing</li> <li>• All purpose</li> </ul>  | <ul style="list-style-type: none"> <li>• Usually applied at full strength. Can be diluted</li> <li>• Application dosage GMF: 50 to 1000 ppm</li> </ul>       | Excellent for rapid solids neutralization and conditioning. Produces dense, rapidly settled floc formation.                |
| <b>Aquapure™ TH</b>      | <ul style="list-style-type: none"> <li>• Aluminum – cationic polymer blend</li> </ul>                                   | <ul style="list-style-type: none"> <li>• General metal finishing and metal processing</li> <li>• All purpose</li> </ul>  | <ul style="list-style-type: none"> <li>• Full strength or diluted</li> <li>• Application dosage GMF: 50 to 1000 ppm</li> </ul>                               | For use in clarifier systems. A general-purpose aluminum coagulant.  |
| <b>Aquapure™ SC Plus</b> | <ul style="list-style-type: none"> <li>• Re-acted aluminum coagulant</li> </ul>   | <ul style="list-style-type: none"> <li>• General metal finishing</li> <li>• All purpose</li> </ul>   | <ul style="list-style-type: none"> <li>• Meter in diluted or at full strength</li> <li>• Application dosage GMF: 50 to 1000 ppm</li> </ul>                   | Excellent on organic acids, removal of inks, resist stripper solids and divalent metals.                                   |
| <b>Aquapure™ DW-28</b>   | <ul style="list-style-type: none"> <li>• Medium mole wt. EPI-DADMAC based polymer</li> </ul>                            | <ul style="list-style-type: none"> <li>• Solids conditioning and charge neutralization of wastewaters</li> <li>• Dewatering of sludge</li> <li>• Heavy solids loading</li> </ul> | <ul style="list-style-type: none"> <li>• Can be diluted to a 10% solution or used as is</li> </ul>   | Improves solids neutralization and density. Can be used to split oil from cleaners.  |
| <b>Aquapure™ OB</b>      | <ul style="list-style-type: none"> <li>• High molecular weight</li> <li>• Polyamine based polymer</li> </ul>            | <ul style="list-style-type: none"> <li>• Wastewater solids conditioning</li> <li>• Charge and surfactant neutralization of wastewaters</li> </ul>                                | <ul style="list-style-type: none"> <li>• Applied at full strength but can be diluted as required</li> <li>• Application dosage GMF: 50 to 100 ppm</li> </ul> | Improves solids neutralization. Can be used to split oil from cleaners. Surfactants can be denatured in some applications. |
| <b>Aquapure™ DW-23</b>   | <ul style="list-style-type: none"> <li>• High molecular weight</li> <li>• DADMAC with EPI</li> </ul>                    | <ul style="list-style-type: none"> <li>• Solids conditioning and charge neutralization of wastewaters</li> <li>• Dewatering</li> </ul>   | <ul style="list-style-type: none"> <li>• Slightly viscous material; dilute to 5%-10% solution</li> <li>• Application dosage GMF: 50 to 100 ppm</li> </ul>    | Improves solids neutralization and density. A strong charge neutralizer for aggressive wastewaters.                        |
| <b>Aquapure™ NCA</b>     | <ul style="list-style-type: none"> <li>• Liquid magnesium bearing coagulant</li> <li>• Aqueous based</li> </ul>         | <ul style="list-style-type: none"> <li>• Phosphate treatment/systems where calcium not tolerated</li> </ul>  | <ul style="list-style-type: none"> <li>• Should be used as is</li> </ul>   | Improves clarity and conditioning of water. Works well on phosphate treatment.   |
| <b>Aquapure™ ACP</b>     | <ul style="list-style-type: none"> <li>• Blended aluminum based solution with calcium and organic components</li> </ul> | <ul style="list-style-type: none"> <li>• General wastewater solutions coagulant</li> </ul>   | <ul style="list-style-type: none"> <li>• Added to wastewater collection tanks</li> <li>• Application dosage: 25–50 ppm</li> </ul>                            | Multiple action-based formulation. Works well on Zn and Cu treatments.   |
| <b>Aquapure™ MFT</b>     | <ul style="list-style-type: none"> <li>• Aluminum solution with added organic components</li> </ul>                     | <ul style="list-style-type: none"> <li>• General metal finishing and metal processing wastewaters</li> <li>• General purpose</li> </ul>  | <ul style="list-style-type: none"> <li>• Added to wastewater collection and neutralization tanks</li> <li>• Application dosage: 50 to 1000 ppm</li> </ul>    | Highly effective for both metal and organic removal.   |



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### Metal Precipitants

| Product                | Form   | Use  | Parameters  | Comments  |
|------------------------|--|--|---|---|
| <b>Aquapure™ P 601</b> | <ul style="list-style-type: none"> <li>DTC, 40% liquid</li> <li>Ditmethyldithio-carbamate based metal precipitant</li> </ul> | <ul style="list-style-type: none"> <li>Metal Sulfide formation to assist in metal precipitation</li> <li>Metal reduction to &lt;1.0 ppm range</li> </ul> | <ul style="list-style-type: none"> <li>Applied at pH 7-12 to break complexing. Best used with ORP control</li> <li>Reaction time of 30 minutes is recommended</li> </ul>            | Workhorse metal precipitant. Works well on copper and nickel dissolved metals. For use on chelated solution treatment. Should be used on the alkaline side. |
| <b>Aquapure™ T-500</b> | <ul style="list-style-type: none"> <li>Liquid - trithiocarbonate blended sulfide</li> </ul>                                  | <ul style="list-style-type: none"> <li>Metal Sulfide formation to assist in metal precipitation</li> <li>Metal reduction to &lt;0.5 ppm range</li> </ul> | <ul style="list-style-type: none"> <li>Applied at pH of 8-12 to break metal complexing</li> <li>Best used with ORP control</li> <li>Reaction time of 30 min. recommended</li> </ul> | For use on alkaline streams. Used on chelated waste streams. Should be used only on the alkaline side.  |
| <b>Aquapure™ I-300</b> | <ul style="list-style-type: none"> <li>Ferrous based blended liquid coagulant / metal precipitant</li> </ul>                 | <ul style="list-style-type: none"> <li>General use</li> <li>Produce quick dropping floc.</li> <li>Also used to reduce hexavalent chrome</li> </ul>       | <ul style="list-style-type: none"> <li>Can be applied on the acid to alkaline side prior to flocculation</li> </ul>   | Versatile divalent metal precipitant and chrome reducer.  |

### Cationic Flocculants

| Product                  | Form  | Use  | Parameters   | Comments   |
|--------------------------|---|--|--|--|
| <b>Aquapure™ B-Cat</b>   | <ul style="list-style-type: none"> <li>Liquid emulsion</li> <li>Cationic</li> </ul> | <ul style="list-style-type: none"> <li>Mass particular together</li> </ul> | <ul style="list-style-type: none"> <li>Stock solution made down to at .10 - .15% / wt.</li> <li>5 to 50 ppm</li> </ul> | Works particularly well on organic and surfactant contaminants.  |
| <b>Aquapure™ Low Cat</b> | <ul style="list-style-type: none"> <li>Powdered</li> <li>Cationic</li> </ul>        | <ul style="list-style-type: none"> <li>Mass particular together</li> </ul> | <ul style="list-style-type: none"> <li>Stock solution made down to 0.1% / wt.</li> <li>5 to 50 ppm</li> </ul>          | Works well with iron coagulant in primary and biological secondary clarification systems. Can be used in low dose with membrane systems. |



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**Anionic Flocculants**

| Product                    | Form   | Use  | Parameters  | Comments  |
|----------------------------|--|--|---|---|
| <b>Aquapure™ AS Plus</b>   | <ul style="list-style-type: none"> <li>• Powder</li> <li>• 100% active polymer</li> </ul>                          | <ul style="list-style-type: none"> <li>• Flocculation of neutralized solids</li> </ul>     | <ul style="list-style-type: none"> <li>• Prepare at a 0.12% solution</li> <li>• Dosage: GMF 5 to 20 ppm</li> </ul>              | Maximum use-cost applications. For mixed metal applications. 100% active polymer                |
| <b>Aquapure™ AN</b>        | <ul style="list-style-type: none"> <li>• Liquid</li> <li>• A hydrated solution 'ready-to-use'</li> </ul>           | <ul style="list-style-type: none"> <li>• Flocculation of neutralized solids</li> </ul>     | <ul style="list-style-type: none"> <li>• USE AS IS: no dilution required</li> <li>• Dosage: 30- 60 ppm</li> </ul>               | Ready to use applications and smaller systems.  |
| <b>Aquapure™ KP Liquid</b> | <ul style="list-style-type: none"> <li>• High charge, med. mole wt.</li> <li>• Emulsion, anionic</li> </ul>        | <ul style="list-style-type: none"> <li>• Flocculation of metal hydroxide sludge</li> </ul> | <ul style="list-style-type: none"> <li>• Diluted to 0.1%/ wt. in stock tank</li> <li>• Dosage is 5-20 ppm</li> </ul>            | For mixed metal flocculation needs.   |
| <b>Aquapure™ FW</b>        | <ul style="list-style-type: none"> <li>• High charge, high mole wt. liquid</li> <li>• Emulsion, anionic</li> </ul> | <ul style="list-style-type: none"> <li>• Flocculation of neutralized solids</li> </ul>     | <ul style="list-style-type: none"> <li>• Prepare at a 0.1% solution</li> <li>• Application dosage GMF: 0.5 to 15 ppm</li> </ul> | Workhorse polymer for larger systems. Easily applied liquid polymer for flocculation of solids. |

**Defoamer Selections**

| Product                | Form  | Use  | Parameters   | Comments   |
|------------------------|---|--|--|--|
| <b>Aquapure™ DF-SI</b> | <ul style="list-style-type: none"> <li>• Silicone emulsion</li> </ul>   | <ul style="list-style-type: none"> <li>• General purpose; kill applications</li> </ul>   | <ul style="list-style-type: none"> <li>• Meter or manually add at full strength or at any dilution</li> <li>• Application Dosage: 20 to 100 ppm</li> </ul> | Maximum use to cost applications. Works best for general metal finishing and metal processing.                 |
| <b>Aquapure™ D</b>     | <ul style="list-style-type: none"> <li>• All organic formulation of non-silicone, non-hydrocarbon nature</li> </ul> | <ul style="list-style-type: none"> <li>• For use when silicone and/or hydrocarbons are prohibited in use</li> </ul>            | <ul style="list-style-type: none"> <li>• Apply at full strength</li> <li>• Application dosage: 100 to 200 ppm</li> </ul>                                   | Works well with high surfactant load and organic contaminants. For non-silicone, non-hydrocarbon applications. |
| <b>Aquapure™ DF-68</b> | <ul style="list-style-type: none"> <li>• Liquid concentrate</li> </ul>  | <ul style="list-style-type: none"> <li>• Paint lines</li> <li>• Wastewater treatment</li> <li>• High starch loading</li> </ul> | <ul style="list-style-type: none"> <li>• Use neat or diluted</li> </ul>  | Used in the food, paint, personal care and waste treatment industries  |
| <b>Aquapure™ DF</b>    | <ul style="list-style-type: none"> <li>• All organic hydrocarbon based formulation</li> </ul>                       | <ul style="list-style-type: none"> <li>• General purpose; kill defoamer</li> <li>• Mineral oil based</li> </ul>                | <ul style="list-style-type: none"> <li>• Apply at full strength</li> <li>• Application dosage: 25 to 200 ppm</li> </ul>                                    | For any system where oil defoamer can be tolerated.  |
| <b>Aquapure™ WMA</b>   | <ul style="list-style-type: none"> <li>• Liquid concentrate</li> </ul>  | <ul style="list-style-type: none"> <li>• Activated sludge tanks where foam build up for microbes cause a problem</li> </ul>    | <ul style="list-style-type: none"> <li>• Apply at full strength</li> <li>• Dosage is from 25-250 ppm</li> </ul>  | Effective defoamer for organic foam growth and entrained air.  |



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Miscellaneous

| Product                     | Form   | Use   | Parameters   | Comments  |
|-----------------------------|--|---|--|---|
| <b>Aquapure™ Quick Drop</b> | <ul style="list-style-type: none"><li>• Powdered blended clay with polymers and conditioning agents</li></ul>          | <ul style="list-style-type: none"><li>• Treatment of tubing waste and single tank treatments</li></ul>  | <ul style="list-style-type: none"><li>• Use with vigorous agitation.</li><li>• Dosing is 1-3 oz./gallon of waste</li></ul>     | Drops solids rapidly in a short time.   |
| <b>Aquapure™ HQ</b>         | <ul style="list-style-type: none"><li>• Liquid bisulfite solution for oxidizer reduction</li></ul>                     | <ul style="list-style-type: none"><li>• Systems to reduce hex chrome at pH 2-2.5</li><li>• Drops floating sludge from unreduced oxidizer in floc tank</li></ul> | <ul style="list-style-type: none"><li>• For chrome reduction control with ORP at pH 2.5</li></ul>                              | Can be metered in once dosing is established.                                       |
| <b>Aqua Pucks</b>           | <ul style="list-style-type: none"><li>• Easy to use tablets in 30 lb pails</li></ul>                                   | <ul style="list-style-type: none"><li>• Grease traps for odor control</li><li>• Equipment maintenance</li></ul>   | <ul style="list-style-type: none"><li>• Once dosing is established add to eliminate odor and as maintenance enhancer</li></ul> | Add to traps, wet wells and lift stations.  |
| <b>Aqua Nu</b>              | <ul style="list-style-type: none"><li>• Easy to use liquid for odor control. Is offered with or without mask</li></ul> | <ul style="list-style-type: none"><li>• Used in misting equipment or humidifiers for nuisance odor</li></ul>  | <ul style="list-style-type: none"><li>• Use as concentrate or diluted down to 2% solution as applied as needed</li></ul>       | For use to eliminate odors. Not a masking agent. Comes with or without a fragrance. |