

**PROTECH CHEMICALS INDIA PVT LTD, BANGALORE**  
**COOLING WATER CHILLERS TREATMENT CHEMICALS**

Sl. No	Product Number	HSN Code	Product Name	Product Description	Benefits	Packaging
1	PT AQUA 5000	3824 9022	Corrosion Inhibitor for Closed Loop	Nitrate Borate based Inhibitor	<ol style="list-style-type: none"> <li>1.Control corrosion in closed heating and cooling systems.</li> <li>2.Controls corrosion of both ferrous and non-ferrous</li> <li>3. Does not affect pump glands, rubber hose, water seals and valve packing.</li> <li>4. Insures good heat transfer and reduces maintenance and operating costs.</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
2	PT AQUA 5002	3824 9022	Corrosion Inhibitor for Closed Loop	Nitrite based Inhibitor	<ol style="list-style-type: none"> <li>1.Controls corrosion of both ferrous and non-ferrous metals.</li> <li>2.Buffering agent automatically adjusts pH at the preferred level.</li> <li>3.Does not contain chromate.</li> <li>4.Insures good heat transfer and reduces maintenance and operating costs.</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
3	PT AQUA 5140	3824 9022	Corrosion Inhibitor	Zinc based corrosion Inhibitor for higher pH	<ol style="list-style-type: none"> <li>1.zinc is coupled with phosphate which provides excellent cathode protection to both steel and brass metallurgy.</li> <li>2. Provides Zinc Phosphate as the main corrosion inhibitor</li> <li>3.Stable at alkaline pH conditions</li> <li>4.Contains LMW polymer which prevents deposition of suspended solids</li> <li>5.Single product treatment for corrosion</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
4	PT AQUA 5141	3824 9022	Corrosion Inhibitor	Azoles based corrosion Inhibitor for high pH. For yellow metals	<ol style="list-style-type: none"> <li>1.azoles coupled with, phosphonates which provides excellent corrosion protection.</li> <li>2. Provides azoles as the main corrosion inhibitor</li> <li>3.Stable at alkaline pH conditions</li> <li>4.Contains LMW polymer which prevents deposition of suspended solids</li> <li>5.Single product treatment for corrosion</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
5	PT AQUA 5142	3824 9022	Corrosion Inhibitor	Molybdate based corrosion Inhibitor for high chloride	<ol style="list-style-type: none"> <li>1.keep corrosion free system under high chloride stress conditions</li> <li>2.Provides HPA as the main corrosion inhibitor</li> <li>3.Stable at alkaline pH conditions</li> <li>4.Contains LMW polymer which prevents deposition of suspended solids</li> <li>5.Single product treatment for Chloride and Sulphate corrosion</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
6	PT AQUA 5210	3824 9022	Scale & Corrosion Inhibitor	For low & medium hardness & TDS	<ol style="list-style-type: none"> <li>1.Stable in Chlorinated Water</li> <li>2.Contains No Heavy Metals</li> <li>3.Control of calcium phosphate is achieved without the need of pre-treatment</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
7	PT AQUA 5211	3824 9022	Scale & Corrosion Inhibitor	For High Hardness & High TDS Zinc Based	<ol style="list-style-type: none"> <li>1.Stable in Chlorinated Water</li> <li>2.Contains No Heavy Metals</li> <li>3.Control of calcium phosphate is achieved without the need for costly pre-treatment</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
8	PT AQUA 5214	3824 9022	Scale & Corrosion Inhibitor	For High Hardness & High TDS Non Zinc based	<ol style="list-style-type: none"> <li>1.Stable in Chlorinated Water</li> <li>2.Contains No Heavy Metals</li> <li>3.Prevents the formation of Calcium Phosphate.</li> <li>4.Compliments Corrosion and Biological control</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
9	PT AQUA 5217	3824 9022	Scale & Corrosion Inhibitor	For High Hardness , High TDS & High Chloride	<ol style="list-style-type: none"> <li>1.Stable in Chlorinated Water</li> <li>2.Contains No Heavy Metals</li> <li>3.Prevents the formation of Calcium Phosphate.</li> <li>4.Compliments Corrosion and Biological control</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.

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10	PT AQUA 31001	38249022	Non Ionic Ter Polymer based Scale & Corrosion Inhibitor	for high Iron & high TSS	<ol style="list-style-type: none"> <li>1.help corrosion inhibition by controlling film formation of the organic corrosion inhibitors on metal surfaces.</li> <li>2. enhance the dispersancy by providing steric repulsion between particles.</li> <li>3. Out standing dispersion for hydrarted iron oxide hydroxy apatite and calcium carbonate.</li> <li>4. Also excellent stabilizer for corrosion inhibitor such as phosphate, phosphonate and zinc</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
11	PT AQUA 5302	3824 9022	Bio - Dispersant	Cationic based Bio Dispersant	<ol style="list-style-type: none"> <li>1.Prevents Biological Growth control.</li> <li>2.Prevents Inorganic Deposit control</li> <li>3.Controlling Oil deposits.</li> <li>4.PT AQUA 5302 eliminates the need for costly shutdown of the system and the resultant loss of production.</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
12	PT AQUA 6308	3402 1200	Non - Oxidizing Organic Biocide	Quaternary Ammonium Compound based Biocide	<ol style="list-style-type: none"> <li>1.Tacelene Chem 6308 kills micro-organisms by its cationic nature and it affects permeability and protein denaturing.</li> <li>2.Control of bacteria and algae in industrial re-circulating cooling waters over a wide range of pH.</li> <li>3.Tacelene Chem 6308 will help maintain clean cooling systems, and reduce populations of general algal</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
13	PT AQUA 6407	3808 9900	Non - Oxidizing Organic Biocide	Iso thiozoline based Biocide	<ol style="list-style-type: none"> <li>1.PT AQUA 6407 kills micro-organisms by inhibiting microbial respiration and food transport through cell wall.</li> <li>2.PT AQUA 6407 is effective against both general aerobic and spore forming bacteria.</li> <li>3.PT AQUA 6407 is very effective algacides and fungicides – only at acid to slightly alkaline pH levels</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
14	PT AQUA 6416	2926 0000	Non - Oxidizing Organic Biocide	Di Bromo nitrilo Propioniamide based Biocide	<ol style="list-style-type: none"> <li>1.PT AQUA 6416 can be considered as an oxidizer, since bromine content it oxidizes bacterial substrate.</li> <li>2.It functions in conjunction with chlorine.</li> <li>3.Control of bacterial slime and algae in industrial re-circulating cooling waters clean ups where high levels of organics and biomass are present.</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
15	PT AQUA 6500	2912 1990	Non - Oxidizing Organic Biocide	Glutraldehyde based Biocide	<ol style="list-style-type: none"> <li>1.PT AQUA 6500 is a good bactericide, especially with difficult and persistent organism's due to its good penetrating ability.</li> <li>2. It is also effective against SRBs and Biofilms. It is readily Biodegradable.</li> <li>3.It is non-ionic and non-foaming.</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
16	PT AQUA 6510	2912 1990	Non - Oxidizing Organic Biocide	Guandine and Quaternary Ammonium chloride based Biocide	<ol style="list-style-type: none"> <li>1.Effective for controlling growth of SRBs, Algae, Bacteria and Fungi at low concentration</li> <li>2.May be used in conjunction with other chlorine based biocides.</li> <li>3.Slight foaming, having very good dispersing power.</li> <li>4.Applicable to cooling water systems operating in a broad pH range i.e.,6.5 to 9.5 pH and high cycles of concentrations.</li> <li>5.Easily biodegradable in sewage / environment.</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
17	PT AQUA 8108	38249022	Alkaline absed Cleaning Chemicals for Chiller	Non acidic / iron removal / descaling and de greasing cleaner for chiller	<ol style="list-style-type: none"> <li>1. Effective in cleaning of newly fabricated cooling system &amp; chillers</li> <li>2. Enhance water flow, Heat transfer &amp; over all system efficiency</li> <li>3. Prevents bacterial fouling &amp; corrosion</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.
18	PT AQUA 8126	38249022	Acidic based Cleaning Chemicals for Chiller	Acidic / iron removal / descaling and de greasing cleaner for chiller	<ol style="list-style-type: none"> <li>1. Effective in cleaning of newly fabricated cooling system &amp; chillers</li> <li>2. Enhance water flow, Heat transfer &amp; over all system efficiency</li> <li>3. Prevents bacterial fouling &amp; corrosion</li> </ol>	30 kgs, 50 Kgs & 200 kgs HDPE Barrels.