



Shandong Taihe Technologies Co.,Ltd.

Product Brochure



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Shandong Taihe Technologies, one of the world's leading professional manufacturers of water treatment chemicals. Through years of continuous R & D investment and technological innovation, as well as the unique continuous, automatic and unmanned production devices, Taihe has guaranteed the stable product quality, reduced the energy consumption and achieved the intrinsic safety. Relying on the self-developed informatization management system, the personalized needs of customers can be met timely and accurately, while with strong production capacity and strategic cooperation with suppliers, Taihe has ensured the continuous and stable supply of the whole industry.



ecovadis



Stock Code: 300801



Phosphonates Antiscalants, Corrosion Inhibitors and Chelating Agents		
Product Name	Main Index	Property & Usage
HEDP 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid	Active content Liquid 60% min Solid 90% min	Scale and corrosion inhibitor, chelating agent, electroplate cleaning agent, stabilizer,desalination scale inhibitor, good acid and alkali resistance
HEDP.Na ₂ Disodium Salt of 1-Hydroxy Ethylidene-1,1-Diphosphonic Acid	Active content Solid 89.9-95.8%	Chelating agent, mainly used in textile, detergent and other fields
HEDP.Na ₄ Tetra Sodium Salt of 1- Hydroxy Ethylidene-1,1-Diphosphonic Acid	Active content Liquid 29-31% Solid 85% min	
PBTC 2-Phosphonobutane -1,2,4- Tricarboxylic Acid	Active content Liquid 50% min	High-effective scale inhibitor, corrosion inhi- bitor, zinc stabilizer, chelating agent, cleaning agent
PBTC.Na ₄ 2-Phosphonobutane -1,2,4- Tricarboxylic Acid, Sodium Salt	Active content Liquid 40% min	High-effective scale and corrosion inhibitor, improving solubility of zinc salt
ATMP Amino Trimethylene Phosphonic Acid	Active content Liquid 50% min Solid 95% min	Chelating agent, corrosion inhibitor in cooling circulating system, calcium carbonate scale inhibitor, cement retarder
ATMP.Na ₅ Penta Sodium Salt of Amino Trimethylene Phosphonic Acid	Active content Liquid 38-42%	Scale inhibitor, corrosion inhibition to zinc salt and phosphate

Phosphonates Antiscalants, Corrosion Inhibitors and Chelating Agents		
Product Name	Main Index	Property & Usage
EDTMPA(Solid) Ethylene Diamine Tetra (Methylene Phosphonic Acid)	Active content Solid 96% min	Cleaning agent in semiconductor chip, carrying agent for radioelement in medical industry
EDTMP.Na ₅ Pentasodium Salt of Ethylene Diamine Tetra (Methylene Phosphonic Acid)	Active content Liquid 30.0-32.6%	Scale and corrosion inhibitor, chelating agent, water-softening agent, better inhibition to calcium sulfate and barium sulfate
DTPMPA Diethylene Triamine Penta (Methylene Phosphonic Acid)	Active content Liquid 50% min	Scale and corrosion inhibitor, peroxide stabilizer, paper and concrete auxiliary
DTPMP.Na ₇ Hepta Sodium Salt of Diethylene Triamine Penta (Methylene Phosphonic Acid)	Active content Liquid 30.5-33.0%,40.0-42.5%	Oxygen bleaching stabilizer, used in paper-making, textile and other fields
DTPMP.Na ₂ Sodium Salt of Diethylene Triamine Penta(Methylene Phosphonic Acid)	Active content Liquid 45-49%	
HEMPA Hydroxyethylamino-Di (Methylene Phosphonic Acid)	Active content Liquid 50%min,60% min	Scale and corrosion inhibitor, used in oilfield, detergent and metal cleaning
BHMTMPA Bis(HexaMethylene Triamine Penta(Methylene Phosphonic Acid))	Active content Liquid 43-48%	High-effective chelating scale inhibitor, corrosion inhibitor esp. applied for oilfield

Phosphonates Antiscalants, Corrosion Inhibitors and Chelating Agents		
Product Name	Main Index	Property & Usage
HMDTMPA.K ₆ Potassium Salt of Hexa MethyleneDiamine Tetra (Methylene Phosphonic Acid)	Active content Liquid 31-36%	Scale inhibitor for calcium sulfate, suitable for use in conditions of high pH and high alkalinity
PAPEMP Polyamino Polyether Methylene Phosphonic Acid	Active content Liquid 40% min	Scale and corrosion inhibitor, chelating agent, membrane scale inhibitor
HPAA 2-Hydroxy Phosphonoacetic Acid	Solid content Liquid 50% min	High-effective corrosion inhibitor
Eco-friendly Antiscalant, Dispersant and Green Sequestrant		
PESA Sodium Salt of Polyepoxysuccinic Acid	Solid content Liquid 40% min Granule 90% min	Eco-friendly, excellent scale inhibition and dispersion ability,esp. against barium and strontium, also as stabilizer for peroxide
PASP Sodium Salt of Polyaspartic Acid	Solid content Liquid 40% min Solid 90% min	Green water treatment chemical, high chelating efficiency, scale and corrosion inhibitor, also used as agricultural fertilizer synergist
TH-GC Green Chelating Agent Glutamic Acid,N,N-diacetic Acid, Tetra Sodium Salt	Active content Liquid 38% min,47% min Solid 75% min	Eco-friendly chelating agents for metal ions, used as substitution for EDTA
Methylglycine N,N-diacetic acid, Trisodium Salt	Active content Liquid 40% min Solid 78% min	

Polycarboxylic Antiscalant and Dispersant		
Product Name	Main Index	Property & Usage
PAA(S) Polyacrylic Acid(Sodium Salt)	Solid content Liquid 40%, 45%, 50% min Solid 90% min	Aqueous dispersant for cooling circulating water system and slurry dispersant etc.
HPMA Hydrolyzed Polymaleic Anhydride	Solid content Liquid 50% min MW 400-800	High-effective scale inhibitor and thermal resistant, desalination scale inhibitor, cement additives, soil conditioner,commonly used in desalination, low pressure boiler and industrial circulating cooling water system
MA/AA Copolymer of Maleic and Acrylic Acid	Solid content 48% min (Scale inhibitor) 50% min (Dispersant)	Scale inhibitor and dispersant, chelating agent with excellent scale inhibit and thermal-resistant ability
MA/AA.Na Sodium Salt of Maleic and Acrylic Acid Copolymer 40%	Solid content Liquid 40% min Solid 90% min	Prevents encrustation of builders on fabric, increases detergency, sequesters Calcium and Magnesium, improves whiteness of fabric, helps to prevent redeposition of soils
AA/AMPS Acrylic Acid-2-Acrylamido-2- Methylpropane Sulfonic Acid Copolymer	Solid content Liquid 40% min MW 3000-5000	Scale inhibitor and dispersant, esp.high-effective calcium phosphate, good zinc stability and disperse ferric oxide ability, widely used in recirculating cooling water system, paper-making, textile printing & dyeing industry
TH-164 Phosphino- Carboxylic Acid (PCA)	Solid content Liquid 40% min MW 3000-5000	High-effiective calcium carbonate and calcium phosphate scale dispersant, effectively inhibit barium sulfate, strontium sulfate and silica scale sediment, widely used in industrial water system as scale and corrosion inhibitor

Polycarboxylic Antiscalant and Dispersant		
Product Name	Main Index	Property & Usage
TH-445 Homopolymer of Acrylic Acid	Solid content Liquid 47-49% MW 3000-5000	Scale inhibitor and dispersant, cleaning agent (inhibit dirt sedimentation on fiber clothing, glass or utensils), bleaching stabilizer
TH-445N Homopolymer of Acrylic Acid	Solid content Liquid 45% min MW 3000-5000	
TH-445ND Homopolymer of Acrylic Acid	Solid content Solid 90% min MW 3000-5000	
TH-1000 Acrylic Homopolymer	Solid content Liquid 47-49% MW 2000-3000	Inhibitor for deposition of calcium carbonate, calcium sulfate and other low solubility salts in the applications of industrial water treatment and oil production
TH-1100 Acrylic Homopolymer	Solid content Liquid 47-49% MW 3000-5000	Scale inhibitor and good dispersant for carbonates, sulphates and other low solubility salts in neutral or alkaline water treatment formulation etc.
TH-1110 Acrylic Homopolymer	Solid content Liquid 44-46% MW 3000-5000	
TH-2000 Carboxylate-Sulfonate Copolymer	Solid content Liquid 42.0-44.0% MW 3000-5000	Scale inhibitor and dispersant, esp.high-effective calcium phosphate scale inhibitor, good zinc stability and ferric oxide dispersing ability, widely used in cooling water system
TH-3100 Carboxylate-Sulfonate-Nonion Terpolymer	Solid content Liquid 42-44% MW 3000-5000	High-effective dispersant, esp. for ferric oxide, apatite and calcium carbonate. Excellent stabilizer for phosphate and zinc salt
TH-5000 Carboxylate-Sulfonate Copolymer	Solid content Liquid 44-46% MW 4000-6000	Scale inhibitor and dispersant, Silicon scale inhibitor

Polycarboxylic Antiscalant and Dispersant		
Product Name	Main Index	Property & Usage
TH-904 Aqueous Dispersant	Solid content Liquid 40% min	Aqueous dispersant used as ceramic dispersant, slurry dispersant, water reducer, paper-making auxiliary
TH-908 Ceramic Dispersant	Solid content Liquid 40% min	
Biocides and Algicides		
DDBAC/BKC Dodecyl Dimethyl Benzyl Ammonium Chloride/ Benzalkonium Chloride	Active content Liquid 48-52%, 78-82%	Non-oxidizing algae fungicidal, with dispersion, penetration, corrosion, deodorant, softening antistatic effect
CMIT/MIT (Isothiazolinones)	Active content Liquid 14.0~15.0%, ≥2.0%	High sterilization effect, fast reaction, good degradability, broad spectrum
Penetrating Agent T (Sodium Diethylhexyl Sulfosuccinate)	Solid content Liquid 50% min	Anionic surfactant, fabric penetrant with rapid penetration and homogeneity, also used in textile & dyeing, pesticide emulsification, tanning and mineral separation
Reverse Osmosis Antiscalants and Dispersants		
TH-0100 Antiscalant and Dispersant for RO Membrane	Clear transparent liquid Standard and condensed liquid	NSF Approved High tolerance of metal oxide, stable performance
TH-191 Antiscalant and Dispersant for RO Membrane	Light yellow transparent liquid	NSF Approved High-effective antiscalant across a broad spectrum of water condition

Corrosion Inhibitors		
Product Name	Main Index	Property & Usage
BTA(S) 1,2,3-Benzotriazole (sodium)	Content Solid BTA 99.5% min Liquid BTA.Na 50% min	Corrosion inhibitor for copper and other metals, work together with many scale inhibitors and fungi disinfectants in circulating cooling water system
TTA(S) Tolyltriazole (sodium)	Content Solid TTA 99.5% min Liquid TTA.Na 50% min	
MBT(S) 2-Mercaptobenzothiazole (sodium)	Content Solid MBT 99% min Liquid MBT.Na 50% min	
CI-TTA Corrosion Inhibitor	Solid content Liquid 28-32%	Corrosion inhibitor for copper and other copper alloys, establish a protective corrosion inhibitor film on the metal surface, compatible with oxidizing biocides
Other Products		
Acetyl Chloride	Content Liquid 99% min	Acetylation agent, widely used in the manufacture of organic compounds, dye and pharmaceuticals
Phosphorous Acid (Crystal)	Content Solid 99% min	Phosphorous Acid is mainly used to synthesize phosphites, and as a raw material for manufacturing plastic stabilizers in the plastic industry. It can also be used as raw materials for synthetic fibers and organic phosphorus pesticides, as well as for producing high-purity phosphonates water treatment agents, etc.





160,000MT PCI3 Workshop



Plant View



Mass Spectrometer



500/400 Megahertz NMR

