

Total Water Management



PT. TOYA MAS ARTHA PRIMA

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Introduction

We believe in power of water for expansion of the industry and protection of the environment.

Today, as the global interest in environmental protection grows, needs for such products and technologies as contribute to save energy and resources and to lower the ecological stresses.

We will contribute to prosperity of the industry using water resources and protection of the environment.

Motto

With better qualities and services, create better prosperity to the industry.

Vision

To become a trusted water treatment company in indonesia, that create prosperous environment and water resources

Mission

To give quality product and bring excellent customer service all the way through mutual benefit principle.

In human being live, people cannot be separate from water. Based on the relationship, we try to support people in create a true harmony with the nature through our extensive range of water treatment and engineering services.

PT. TOYA MAS ARTHA PRIMA offer intake water treatment, deionized water system as well as a wide range of waste water treatment facilities. We also can offer chemical for water and waste water as well as boiler water and cooling water treatment.



BOILER WATER TREATMENT CHEMICALS

BENCLEAN® BW SERIES

BENCLEAN® Boiler Water Treatment Chemicals are used to prevent trouble in boilers and help them operate efficiently. We offer chemicals that meet high safety standards in terms of ingredients as well as chemical effects.

Food Grade Chemicals

- Boiler compound for scale and corrosion inhibitor
- Oxygen Scavenger
- Corrosion inhibitor for steam and condensate line
- Multi functional chemical

General Used Chemicals

- Boiler compound for scale and corrosion inhibitor
- Several types of oxygen scavenger
- Sludge dispersant
- Multifunctional boiler compound

Other Chemicals

- On stream hardness scale remover
- Used for substitute soda boiling or after boiler maintenance work
- Corrosion inhibitor for idle boiler.



COOLING WATER TREATMENT CHEMICALS

BENCLEAN® CW SERIES

We offer cooling water treatment chemicals that prevent trouble caused by water as well as propagating of Legionella bacteria and improve the system operation efficiency in the cooling systems of factories and office buildings to help reduce their energy usage.

Open Recirculating Cooling Water System

- Corrosion & scale inhibitor for high alkaline and hardness
- Corrosion & scale inhibitor for low hardness or high salinity
- Scale inhibitor for high heat flux cooling water system
- Biocide
- Slime control chemical
- Corrosion inhibitor for initial treatment
- Sludge dispersant
- Multifunctional chemical for small-medium size cooling water system

Closed Recirculating Cooling Water System

- Corrosion inhibitor
- Biocide
- Sludge dispersant

Other Chemicals

- On stream scales remover



RO MEMBRANE WATER TREATMENT CHEMICALS

BENCLEAN® P SERIES

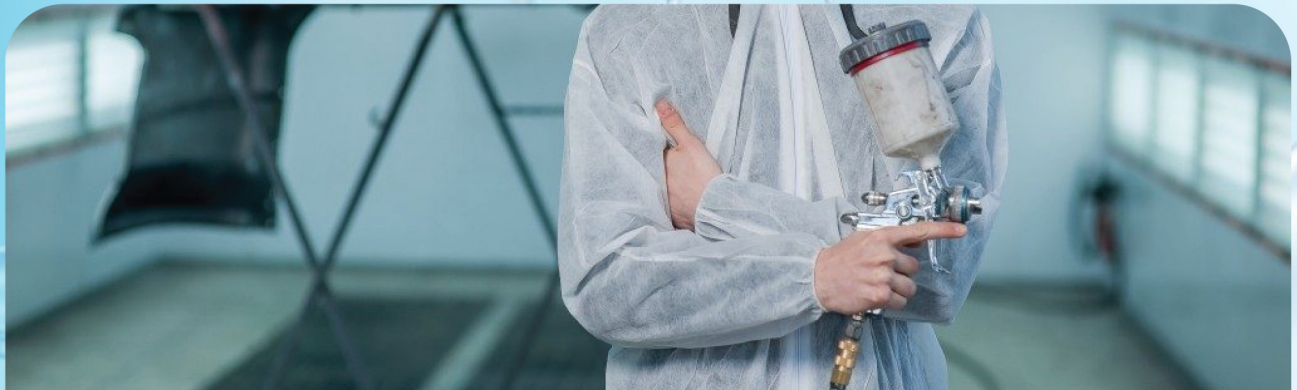
There are five problems associated with RO membranes: clogging, the deterioration of the permeable water quality, the decrease of water for treatment, the increased cost for membrane change, and the large amount of water used and waste water generated. BENCLEAN® offers the solution to these problems

- Pretreatment chemicals
- Anti-scalant for membrane surface
- Slime control agent
- Cleaning agent



AUTOMOBILE PAINT BOOTH CHEMICALS

BENCLEAN® PR SERIES



Wet painting booths are used extensively in the painting of automobiles and auto parts. Aqueous paint, the most widely used form of paint in this process, contains a large amount of surfactants that may cause many different problems, such as environmental abnormalities and an increase in waste resulting from the formation of foam and poor coagulation. With proven track record over many years and wealth of experience in water treatment, Kurita developed a painting booth treatment agent that has a high foam-inhibition capacity, even for aqueous paint, and also exhibits a high coagulative

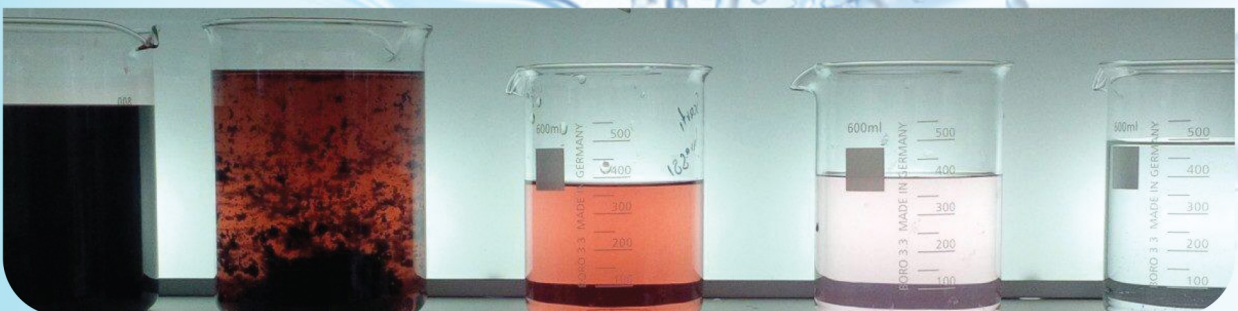
- Paint killer for solvent paint
- Paint killer for waterborne paint
- Paint Remover
- Anionic and cationic polymer flocculant

WASTE WATER TREATMENT CHEMICALS

BENCLEAN® C-SERIES

We offer wastewater treatment chemicals that help reduce environmental impact through proper wastewater treatment by removing suspended solids in industrial wastewater of various characteristics and dehydrating and deodorizing sludge.

- Flocculant
- Organic & inorganic coagulant
- pH Adjuster
- Heavy metal Removal
- Odor control chemical
- Bacteria for WWTP or STP
- Nutrition for Bacteria
- Antifoam
- Decoloring Agent (DCA)



CHEMICAL CLEANING & DESCALING

BENCLEAN® P SERIES

Chemical descaling and cleaning are two of the most efficient and effective ways to remove built-up scale on industrial water systems. Over the life time of water systems, scale, greases and oil build up within the system, especially in systems that have not been regularly maintained with adequate water treatment systems and flushes. Systems located within hard water areas are also more susceptible to excessive scale build up, resulting in low fuel efficiency and heat transfer.



This build-up of scale and other system deposits can greatly reduce the efficiency of system parts such as boilers and heat exchangers, and can be difficult to remove with general cleaning. A boiler with just 1mm of scale deposit can waste up to 9% of its fuel intake as it struggles to heat system water, heat exchangers with high levels of scale deposit can decrease the system pressure along with wasting fuel as heat transfer becomes less efficient.

- Organic Acid for scale, hardness and iron removal
- Alkaline for neutralizing & Passivating Agent



ZINC PHOSPHATING TREATMENT

BENCLEAN® ZP -SERIES

Phosphating is a process of treating metals (iron, galvanized or aluminum) using phosphate acid and other compounds where the metal surface reacts chemically with the phosphate acid media to form an insoluble phosphate crystal layer that protects the metal surface as a whole. We are a leading distributor of chemicals, selling quality zinc phosphating at low prices.



- Zinc Phosphating
- Accelerator
- Deruster
- Rust Remover
- Desmute
- Neutralizer
- Passivator
- Surfacers

CHEMICALS FOR PETROLEUM & GAS

Product Range

Activated Alumina, Purification Adsorbents (H₂S), CO₂, Cl, COS, Mercaptants, Mercury)
Molecular Sieve, Silica Gel, Titania (TiO₂)
Catalyst, Activated Carbon, Bed Supports (Inert and Active)

Drilling And Completion Chemicals Water Based And Oil Based Fluids

Fluids Loss Control	Fermentation Resistance Drilling Starch, Carboxymethyl, Celulose (HV/LV), Polyanionic Celulose (HV/LV), Modified lignin, Thermostable Fluid Loss Control and Thinner, Thermostable Synthetic Polymer.
Viscosifier	Modified Xanthan Gum, Hydroxyethyl Cellulose, Thermostable Modified Polymer.
Shale Inhibitor	PHPA (Granule/Liquid), Sodium Salt of Modified Asphalt, Potassium Salt of Modified Asphalt Thermostable Modified Polymer, Clay Stabilizer.
Lubricant & Spotting Fluid	EP Lubricant, Surfactant Base Lubricant, Spotting Fluid, Pipe Freeing Powder,
Mud Thinners	Synthetic Polymer Thermostable Modified Polymer
Detergent Cleaner	Drilling Detergent, Platform Cleaner
Emulsifier	Primary Emulsifier, Secondary Emulsifier, Oil Emulsifier.
Fluid Loss Control & Surfactant	Thermostable Modified Resin, Rheology Modifier, Oil Wetting Agent, Thinner/Mud Conditioner.
Others	Defoamer (Non Silicon), HT - Stabilizer, Corrosion Inhibitor Oxygen Scavenger, H ₂ S Scavenger. Biocide, Cleaning Agent, Dispersant Control, Ciscosity Control, Emulsifier, Oil Wetting Agent, Mud Wash Rheology Modifier

Production Treating & Refinery Chemicals

Production Treating & Refinery Chemicals	Reverse Demulsifier/Water Clarifier, Demulsifier/Desalter, Scale Remover, Scale Inhibitor/Remover, Dual Function Corrosion/Scale Inhibitor, Paraffin, Pourpoint Depressant, Biocide, Corrosion Inhibitor, Anti Fouling Agent, Paraffin, Defoamer/Antifoam, Oxygen Scavenger, Petroleum Dyes.
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Well Stimulation / Cementing Additives

Well Stimulation	Cationic, Anionic and Non-Ionic, Deposit Remover, Acid Corrosion Inhibitor, Emulsion Preventer, Injectivity Improver, Acid Retarder, Paraffin Dispersant.
Cementing Additives	Cement Retarder, Cement Dispersant, Cement Extender, Defoamer, Fluid Loss Control, Gas Block/Fluid Loss Control.

Geothermal

Foaming Agent & Defoamer	Modified Alcyl Sulfate, Winterized Foaming Agent, Foaming Agent with Corrosion, Inhibitor, Non Silicon, Defoamer,
Viscosifier	Modified Xanthan Gum, Fast Hydrating Guar, HT Viscosifier for Hi-Vis Sweep
Shale Inhibitor	PHPA (Granule/Liquid), Clay Stabilizer
Others	Corrosion Inhibitor for Foam Drilling, Non Foaming Corrosion/Scale Inhibitor

Gas Sweetening (MDEA, DEA, MEA, DGA)
Defoamer/Antifoam, Activated Carbon, Activated Alumina, Ceramic Ball, Molecular Sieve, Antifoaming Agent, Purification Adsorbent, Corrosion Inhibitor, H₂S Scavenger.

CHEMICAL FOR MINING

- Coal Dust Suppressant

A surfactant-based specialty chemical, which is devoted to suppressing coal dust so it doesn't fly. Can increase the wet-ability of coal, and reduce the use of water in wetting the coal so as to minimize the increase in coal water content (Total Moisture)

- Coagulant and Flocculant

In water treatment, coagulation and flocculation involves the addition of compounds that promote the clumping of fines into larger floc so that they can be more easily separated from the water.

- Degreaser

Our highly concentrated industrial rig wash detergent has held up in some of the greasiest, highly soiled environments, like oil drilling rigs. Our products have been put to work in these situations to cut through the soil and eliminates the hazards that come with these messes.



CHEMICAL FOR HOSPITAL



- Antiseptic
- Hand Sanitizer
- Disinfectant
- Humidifier
- Sanitizer
- Anti Bacteria

SPECIALTY CHEMICALS & GREASES



- Superfloc®
Anionic & Cationic Polyacrylamide Flocculant
- Dowex®, Trilite®
Cation & Anion Ion Exchange Resin
- Oil Lubricants & Greases
Lubricants and Greases for high temperature & high

- Merck & Hach
Analytical Reagents
- Iwaki
Glassware & Apparatus

UTILITY FACILITIES

- Unit Sand Filter
- Unit Carbon Filter
- Unit Reverse Osmosys
- Unit Softened Water
- Unit Demineralized Water
- Unit WTP & WWTP
- Unit STP
- Etc.



GENERAL CHEMICALS



- Sulfuric Acid
- Hydrochloric Acid
- Caustic Soda Flake and Liquid
- Poly Aluminium Chloride Powder & Liquid

- Aluminium Sulfate Powder & Liquid
- Sodium Hypochloride 12%
- Calcium Hypochloride 60% & 70%
- Etc.



EXISTING COSTUMER LIST

INDUSTRY

01. PT. Solusi Bangun Indonesia
02. PT. PZ Cussons Indonesia
03. PT. TJB Power Services PLTU Unit 1 & 2 Jepara
04. PT. KPJB Pltu Unit 3 & 4 Jepara
05. PT. Bhumi Jati Services Pltu Unit 5 & 6 Jepara
06. PT. PJB Unit Bisnis Jasa O&M Indramayu
07. PT. Lestari Banten Energi
08. PT. Indonesia Toray Syntetic
09. PT. Sulfindo Adiusaha
10. PT. Asahimas Chemical
11. PT. Dover Chemicals
12. PT. Standard Toyo Polymer
13. PT. Lotte Chemical Titan Nusantara
14. PT. Sebangun Bumi Andalas Wood Industries (Sinarmas Group)
15. PT. Bumi Mekar Hijau (Sinarmas Group)
16. PT. Bumi Andalas Permai (Sinarmas Group)
17. PT. Socimas (Sinarmas Oleochemical) (Under Trane Project)
18. PT. Kolon Ina (Under Trane Project)
19. PT. Data Centre Indonesia (Under Trane Project)
20. PT. Fermentech Indonesia (Under Trane Project)
21. PT. Honda Prospect Motor
22. PT. Yamaha Motor Parts Manufacturing Indonesia
23. PT. Nissan Motor Indonesia
24. PT. Prima Paper Indonesia
25. PT. Parkland World Indonesia
26. PT. Bintang Toedjoe
27. PT. Juang Jaya Abdi Alam
28. PT. Aisin Automotive Indonesia
29. PT. Duta Sugar International
30. PT. Sentra Usahatama Jaya
31. PT. Pemuka Sakti Manis Indah
32. PT. Kerry Ingredients Indonesia
33. PT. Lasallefood Indonesia
34. PT. Lautan Otsuka Indonesia
35. PT. Sugity Creatives
36. PT. NGK Ceramics Indonesia
37. PT. Resin Plating Technology
38. PT. Toyobesq Precision Part Indonesia
39. PT. Astra Otopart Div. Nusa Metal
40. PT. Astra Otopart Div. Indokarlo Perkasa
41. PT. Yasunli Abadi Utama Plastik
42. PT. Fuji Oozx Indonesia
43. PT. Oriental Manufacturing Indonesia
44. PT. Pyo Joon Mold Indonesia
45. PT. Nobi Putra Angkasa
46. PT. SSE-Van Der Horst Indonesia
47. PT. Pasific Prestress Indonesia
48. PT. Pne Indonesia
49. PT. Lemindo Abadi Jaya
50. PT. CDC Farmasi
51. PT. Asia Paper Mills
52. PT. Arami Jaya
53. PT. Alam Manis Solo
54. PT. Mutu Gading Textile
55. PT. Global Prima Indotek
56. PT. Apikayu Glycerin Refinery
57. PT. Apeiron Used Cooking Oil Biodiesel Refinery
58. PT. BP Petrochemicals Indonesia
59. PT. Ineos Aromatic Indonesia
60. PT. Tabung Haji Indo Plantation
61. PT. Tirta Marta

HOTEL, BUILDING & DEPT. STORE

01. Kementrian Perindustrian
02. Pindo Deli Office
03. Indah Kiat Pulp & Paper Office
04. RS. Pertamedika Sentul
05. Ciputra World Kuningan
06. RS. PKU Muhammadiyah Solo
07. Lotte Mart Solo
08. Hotel Santika Bintaro
09. Lor Inn Hotel Solo
10. Ataya Hotel Solo
11. Dwangsa Hotel Solo
12. Westin Hotel Bali
13. Sparkluxe Hotel Jakarta
14. Hotel Solia Surakarta

EXISTING COSTUMER LIST

HOSPITAL

01. RS. Mardi Rahayu, Kudus
02. RS. Kartika Husada, Kudus
03. RS. Meriam, kudus
04. RS. DKT, Pati
05. RS. DKT Salatiga
06. RS. ASMIR Salatiga
07. Dinkes. Pati
08. RS. Mitra Bangsa Pati
09. RS. Sebening Kasih Pati
10. KBIH. Juwana
11. RSI. NU, Demak
12. RS. Mitra Setia Ungaran
13. RS. PKU Muhammadiyah Blora
14. RS. PKU Muhammadiyah Moga
15. RS. PkU Muhammadiyah Gombong
16. RSI. Sultan Agung, Semarang
17. RS. Bhayangkara, Semarang
18. RS. Roemani, Semarang
19. RS. Bhayangkara, Jogja
20. RS. Sisma Medika, Karanggede
21. RS. Assalam, Gemolong
22. RS. Assiyah, Gemolong
23. RS. Widodo, Ngawi
24. RS. At-Tin, Ngawi
25. RSI. Wonosobo
26. RSIA. Adina, Wonosobo
27. RSIA. Adina, Wonosobo
28. RS. Pala Raya, Tegal
29. RS. Bhakti Asih, Brebes
30. RS. Dedy Jaya, Brebes
31. RS. Amanah Mahmudah, Brebes
32. RS. Mutiara Bunda, Brebes
33. RS. Derra Assyifa, Brebes

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