

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-1010
Rev No :	0
Product :	WATREET
Product Code :	WT-1010

PRODUCT DATA SHEET

1	<u>INFORMATION</u> WATREET 1010-Multi-purpose liquid Formulation for Fire Tube Boiler
2	<u>DESCRIPTION</u> WATREET-1010 is a special product designed to prevent scale and corrosion on the waterside surfaces of medium-and-low pressure boilers using unsoftened feed water. Product is a combination of modern water treatment chemicals comprising of chemical softening agents, sludge conditioners and oxygen scavenger which protect the feed lines and the boiler from scale and corrosion.
3	<u>SALIENT FEATURES</u> Multipurpose liquid treatment Ready To Use Liquid Prevent scale and corrosion Easy To Use & Safe To Handle Simple control
4	<u>ANALYTICAL DATA</u> Appearance : Brown liquid pH : Alkaline Specific Gravity : 1.3 – 1.4 @ 25C
5	<u>HANDLING INSTRUCTIONS</u> Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	<u>RECOMMENDED DOSAGE</u> An dosage of 70 PPM is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-1020
Rev No :	0
Product :	WATREET
Product Code :	WT-1020

PRODUCT DATA SHEET

1	<u>INFORMATION</u> WATREET 1020-Multi-purpose liquid Formulation for Coil Tube Boiler
2	<u>DESCRIPTION</u> WATREET-1020 is a special product designed for treatment of medium-or low-pressure boilers using soft-water for feed make-up. WATREET-1020 incorporates an exclusive synthetic polymer sludge conditioner, in combination with compounds, for complete oxygen removal and anti-foaming action.
3	<u>SALIENT FEATURES</u> Prevents scale and deposits Promotes boiler cleanliness Easy-to-use liquid Non-corrosive to feed equipment Improves heat transfer Economical Reduces energy cost.
4	<u>ANALYTICAL DATA</u> Appearance : Yellow to brown colour pH : Alkaline Specific Gravity : 1.1 – 1.3 @ 25C
5	<u>HANDLING INSTRUCTIONS</u> Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	<u>RECOMMENDED DOSAGE</u> An dosage of 70 PPM is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-2110
Rev No :	0
Product :	WATREET
Product Code :	WT-2110

PRODUCT DATA SHEET

1	<u>INFORMATION</u> WATREET 2110 - Synthetic Sludge Conditioner
2	<u>DESCRIPTION</u> WATREET 2110 boiler sludge conditioner represents a modern concept in the chemical treatment of boiler sludges. This synthetic polymer is designed to produce light, finely divided particles which are non-adherent and easily removed with blow down. WATREET 2110 can withstand high temperature and pressure conditions (upto 100 kg/cm ²) and does not impart taste or odour to steam. These characteristics make WATREET 2100 superior to many older natural organic treatments. This product is recommended even where steam is likely to come in contact with edible products.
3	<u>SALIENT FEATURES</u> High temperatures and pressure stability Non-corrosive Easy-to-use liquid Easy to handle and feed Gives complete scale inhibition
4	<u>ANALYTICAL DATA</u> Appearance : Amber Liquid pH : 8.0 - 9.0 Specific Gravity : 1.0-1.1 @ 25C
5	<u>HANDLING INSTRUCTIONS</u> Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	<u>RECOMMENDED DOSAGE</u> An dosage of 25 PPM is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-2120
Rev No :	0
Product :	WATREET
Product Code :	WT-2120

PRODUCT DATA SHEET

1	<u>INFORMATION</u> WATREET 2120 - Synthetic Sludge Conditioner
2	<u>DESCRIPTION</u> WATREET 2120 boiler water treatment is a liquid formulation combining highly effective anti-foam with an exclusive synthetic polymer. WATREET 2120 represents the most modern concept in chemically treating boiler sludges, as it is designed to provide light non-adherent sludge that is easily removed with blow down. WATREET 2120 also has the additional feature of minimizing iron oxide deposition by reducing ferric oxides to the
3	<u>SALIENT FEATURES</u> High temperatures and pressure stability Non-corrosive Easy-to-use liquid Easy to handle and feed Gives complete scale inhibition
4	<u>ANALYTICAL DATA</u> Appearance : brown liquid pH : 10.0-11.0 Specific Gravity : 1.0-1.1 @ 25C
5	<u>HANDLING INSTRUCTIONS</u> Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	<u>RECOMMENDED DOSAGE</u> An dosage of 15 - 20 PPM is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-1462
Rev No :	0
Product :	WATREET
Product Code :	WT-1462

PRODUCT DATA SHEET

1	INFORMATION WATREET 1462 - Alkalinity Builder, Multi Purpose Water Treatment
2	DESCRIPTION WATREET 1462 is a precise blend of alkalinity builder, softening agent and synthetic organic sludge conditioner WATREET 1462 is uniquely formulated, all-in-one liquid designed specifically for low hardness softened water and demineralized Water.
3	SALIENT FEATURES Ready to use liquid Prevents and removes deposits Removes corrosion Easy to handle and feed
4	ANALYTICAL DATA Appearance : Colourless to pale yellow liquid. pH : Alkaline Specific Gravity : 1.3 - 1.4 @ 25C
5	HANDLING INSTRUCTIONS Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	RECOMMENDED DOSAGE An dosage of 5 - 15 PPM is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-3010
Rev No :	0
Product :	WATREET
Product Code :	WT-3010

PRODUCT DATA SHEET

1	INFORMATION WATREET 3010-Instant Boiler Water Oxygen Scavenger
2	DESCRIPTION WATREET 3010 is an instant oxygen scavenger. Product is recommended for the rapid and complete removal of dissolved oxygen form feed water and boiler water. The normal reaction time with oxygen is only 15 to 20 second at ambient temperatures.
3	SALIENT FEATURES Instant Boiler Water Oxygen Scavenger Rapid action Ready to use liquid Easy to handle and feed Economical
4	ANALYTICAL DATA Appearance : Pale yellow to pink liquid pH : Acidic Specific Gravity : 1.1 - 1.3 @ 25C
5	HANDLING INSTRUCTIONS Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	RECOMMENDED DOSAGE An dosage of 25 PPM / DO is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-3030
Rev No :	0
Product :	WATREET
Product Code :	WT-3030

PRODUCT DATA SHEET

1	<u>INFORMATION</u> WATREET 3030-Instant Boiler Water Oxygen Scavenger
2	<u>DESCRIPTION</u> The liquid oxygen scavenger, WATREET 3030 will instantly react with dissolved oxygen. Neither WATREET 3030 nor its reaction product will add to the solids content of the water. It also reduces ferric irons to the ferrous state, thus preventing harmful iron deposits within the boiler.
3	<u>SALIENT FEATURES</u> Instant Boiler Water Oxygen Scavenger Improves heat transfer Imparts no solids to boiler water Imparts no solids to steam Prevents iron oxide deposits Stable Ready to use liquid
4	<u>ANALYTICAL DATA</u> Appearance : Colourless liquid pH : 4.0 To 5.5 Specific Gravity : 1.02 @ 25C
5	<u>HANDLING INSTRUCTIONS</u> Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	<u>RECOMMENDED DOSAGE</u> An dosage of 5 PPM / DO is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-R101
Rev No :	0
Product :	WATREET
Product Code :	WT-R101

PRODUCT DATA SHEET

1	INFORMATION WATREET R 101-Condensate Corrosion Inhibitor
2	DESCRIPTION WATREET R 101 is a blend of volatile product for steam condensate treatment that provide the direct neutralization of carbon dioxide which ensure positive corrosion protection. WATREET R 101 is formulated to provide an ideal vapour-liquid distribution ratio, to protect all parts of the steam/condensate system with the minimal product loss.
3	SALIENT FEATURES Broad-spectrum vapour liquid distribution Prevents Corrosion System losses minimized Reduces iron and copper pick-up Ready to use liquid Easy to feed
4	ANALYTICAL DATA Appearance : Colourless liquid pH : 11.5 –11.8 Specific Gravity : 0.95 – 1.0 @25C
5	HANDLING INSTRUCTIONS Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	RECOMMENDED DOSAGE Use oaround 15 PPM dosage level for WATREET R 101 to maintain a condensate pH in the range of 8-8.3 for Industrial systems. Continuous feeding of WATREET R 101 with a metering pump is recommended, but slug feeding is acceptable. May be mixed and fed with most other conventional water treatment chemicals, WATREET R 101 may be fed to the feed line, boiler, or steam line, preferably the first two.

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-4010
Rev No :	0
Product :	WATREET
Product Code :	WT-4010

PRODUCT DATA SHEET

1	<u>INFORMATION</u> WATREET 4010- Boiler Water Softening Agent
2	<u>DESCRIPTION</u> WATREET 4010 is a liquid boiler water treatment for the internal treatment of incoming boiler water hardness. When fed to the boiler water feed lines it sequesters both calcium and magnesium preventing premature deposition. WATREET 4010 is recommended for the use with sludge conditioners and dispersants, antifoam and oxygen scavengers to provide a flexible highly effective treatment programme.
3	<u>SALIENT FEATURES</u> Compatible with other treatment chemicals Non-toxic Prevents boiler feed line deposits Stable Ready to use liquid
4	<u>ANALYTICAL DATA</u> Appearance : colourless Pale yellow liquid pH : 6.8-7.2 Specific Gravity : 1.1-1.2 @ 25C
5	<u>HANDLING INSTRUCTIONS</u> Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	<u>RECOMMENDED DOSAGE</u> An dosage of 10 - 20 PPM is recommended but this dosage is to be adjusted in such a way that it should give protection to the system, while being economical. Dosage might vary depending on specific system parameter.



RAKIRO BIOTECH SYSTEMS PVT LTD

R-466, TTC Industrial Area, MIDC
 Rabale, Navi Mumbai - 400701
 Tel No. +91-022-27642236 / 7
 Email :- enquiry@rakiro.net

Doc No :	PD-WT-4020
Rev No :	0
Product :	WATREET
Product Code :	WT-4020

PRODUCT DATA SHEET

1	INFORMATION WATREET 4020- Boiler Water Softening Agent									
2	DESCRIPTION WATREET 4020 is a chemical softening agent for boiler waters. WATREET 4020, in conjunction with sludge conditioner and oxygen scavenger, provides a highly effective internal boiler water treatment programme. The product is an economical and convenient treatment for general industrial applications.									
3	SALIENT FEATURES <table style="width: 100%;"> <tr> <td>Effective Softening agent</td> <td style="text-align: right;">Fast acting</td> </tr> <tr> <td>Highly soluble</td> <td style="text-align: right;">Stable</td> </tr> <tr> <td>Convenient to handle</td> <td style="text-align: right;">Economical</td> </tr> </table>	Effective Softening agent	Fast acting	Highly soluble	Stable	Convenient to handle	Economical			
Effective Softening agent	Fast acting									
Highly soluble	Stable									
Convenient to handle	Economical									
4	ANALYTICAL DATA <table style="width: 100%;"> <tr> <td>Appearance</td> <td style="text-align: right;">:</td> <td style="text-align: right;">White</td> </tr> <tr> <td>pH</td> <td style="text-align: right;">:</td> <td style="text-align: right;">8.0 - 9.2 (pH of 1% solution)</td> </tr> <tr> <td>Specific Gravity</td> <td style="text-align: right;">:</td> <td style="text-align: right;">1.2 - 1.3 @ 25C</td> </tr> </table>	Appearance	:	White	pH	:	8.0 - 9.2 (pH of 1% solution)	Specific Gravity	:	1.2 - 1.3 @ 25C
Appearance	:	White								
pH	:	8.0 - 9.2 (pH of 1% solution)								
Specific Gravity	:	1.2 - 1.3 @ 25C								
5	HANDLING INSTRUCTIONS Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.									
6	RECOMMENDED DOSAGE WATREET 4020 can be either fed continuously or slug fed. Dissolve up to 10 % of WATREET 4020 in the best quality water available. Feed to the boiler using the system best suited to your application. Standard materials of construction are satisfactory for handling this product.									

**RAKIRO BIOTECH SYSTEMS PVT LTD**

R-466, TTC Industrial Area, MIDC
Rabale, Navi Mumbai - 400701
Tel No. +91-022-27642236 / 7
Email :- enquiry@rakiro.net

Doc No :	PD-WT-4040
Rev No :	0
Product :	WATREET
Product Code :	WT-4040

PRODUCT DATA SHEET

1	<u>INFORMATION</u> WATREET 4040-Boiler Water Treatment
2	<u>DESCRIPTION</u> WATREET 4040 provides a highly effective internal boiler water treatment Programme. It is best chemical softening agent for boiler waters. Product to be used in conjunction with a sludge conditioner and oxygen scavenger.
3	<u>SALIENT FEATURES</u> Best softening agent Easy to use and control Compatible with other chemicals Not corrosive to feed equipment Safe to handle
4	<u>ANALYTICAL DATA</u> Appearance : White Powder pH : Alkaline Specific Gravity : N.A.
5	<u>HANDLING INSTRUCTIONS</u> Keep the container away from direct heat & sunlight. Keep the container closed when not in use. The product should not be swallowed and prolonged contact with the skin should be avoided. Should it come in contact with the eyes, flush with clean, cold water and get medical attention.
6	<u>RECOMMENDED DOSAGE</u> Prepare about 5% solution by dissolving the product in best quality available water. Feed to the boiler using the system best suited to your application. Use sufficient quantity of WATREET 4040 to maintain recommended phosphate residual in the boiler water