

**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 :	MSDS-WT-D 10
Rev No :	0
Product :	WATREET
Product Code :	WT-WT-D 10

**MATERIAL SAFETY DATA SHEET****1 PRODUCT IDENTIFICATION AND INFORMATION**

Chemical Name : WT-D 10  
Proprietary formulation : Corrosion inhibitor for potable water , laundry water.

**2 INFORMATION ON INGREDIENTS AND TOXICITY DATA**

Product comprises of the following ingredients  
Aqueous solution of :

Name	CAS No	LD50 Oral(Rat)
Tri sodium phosphate	7601-54-9	7400 mg/Kg
Sodium Benzoate	532-32-1	4070 mg/Kg
Hydrazine hydrate	7803-57-8	129 mg/Kg

**3 FIRE AND EXPLOSION DATA**

Flammable Limits in air,%by Volume : N.A  
Flash Point : None  
Extinguishing Media : Water, Foam

**4 FIRST AID MEASURES**

Ingestion (Swallowing): May cause nausea and vomiting / Dilute by drinking copious amounts of water and obtain medical attention  
Skin Contact : Slightly irritating to skin / Wash affected skin with soap / water and obtain medical attention  
Eye Contact : Irritating to eyes / wash eyes with large amount of water for atleast 15 minutes and obtain medical attention  
Inhalation : Vapors may be irritating to nose throat and respiratory tract producing symptoms of nausea in poor ventilated area. Remove subject to fresh air obtain medical Attention

**5 FIRE FIGHTING MEASURES.**

Since product is not inflammable so no fire fighting measures are required.

**6 REACTIVITY DATA**

Stability : Stable under normal storage conditions. Hazardous Polymerisation will not occur.

**7 REACTIVITY DATA**

Wear rubber gloves and safety goggles. Avoid breathing vapors and avoid skin contact. Keep away from direct heat and sunlight.

**8 SPILL OR LEAK PROCEDURES**

Soak up spills with absorbent material and scoop into drums. Follow all local, state and federal regulations for disposal. Do not dispose into lakes and streams. The floor may be slippery use caution to avoid falls.



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**MATERIAL SAFETY DATA SHEET**

9	<p><b><u>SPECIAL PROTECTION INFORMATION</u></b></p> <p>Respiratory protection :                    Maintain good ventilation otherwise use self- contained breathing apparatus.          Ventilation protect :                        Local exhaust / mechanical (General)          Protective Gloves :                         Yes          Eye Protection :                             Safety Goggles          Other Protection :                         Long Sleeve Shirt, long pants, Boots and hat.          Hygienic Practices :                        Follow normal hygienic practices for handling chemicals.</p>										
10	<p><b><u>PHYSICAL &amp; CHEMICAL PROPERTIES</u></b></p> <p>Refer '2' Composition / information on ingredients</p>										
11	<p><b><u>TOXICOLOGICAL INFORMATION</u></b></p> <p>Since the product is non toxic at used levels,no tests have been carried out.</p>										
12	<p><b><u>ECOLOGICAL INFORMATION</u></b></p> <p>AQUATIC TOXICOLOGY - No Data Available.          BIODEGRADATION - No Data Available.</p>										
13	<p><b><u>DISPOSAL CONSIDERATIONS</u></b></p> <p>Consult state and local regulations regarding the proper disposal of this material.</p>										
14	<p><b><u>TRANSPORT INFORMATION</u></b></p> <table style="width: 100%;"> <tr> <td>DOT Shipping Name</td> <td>Corrosive liquid , acidic ,organic ,n.o.s. ( phosphonic acid )</td> </tr> <tr> <td>DOT Hazard Class</td> <td>8</td> </tr> <tr> <td>DOT ID Number</td> <td>UN3265</td> </tr> <tr> <td>Packing Group</td> <td>III</td> </tr> <tr> <td>DOT Label</td> <td>Corrosive</td> </tr> </table> <p>Since product is non hazardous , non toxic , non flammable.No unusal precautions is Required.</p>	DOT Shipping Name	Corrosive liquid , acidic ,organic ,n.o.s. ( phosphonic acid )	DOT Hazard Class	8	DOT ID Number	UN3265	Packing Group	III	DOT Label	Corrosive
DOT Shipping Name	Corrosive liquid , acidic ,organic ,n.o.s. ( phosphonic acid )										
DOT Hazard Class	8										
DOT ID Number	UN3265										
Packing Group	III										
DOT Label	Corrosive										
15	<p><b><u>REGULATORY INFORMATION</u></b></p> <p>Consult state and local regulatory authorities.</p>										
16	<p><b><u>OTHER INFORMATION</u></b></p> <p>The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations. Rakiro Biotech assumes no responsibility for injury to customers or third persons caused by the material, if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, since actual use by others is beyond our control, no guarantee expressed or implied is made by Rakiro Biotech as to effect of such use, the results to be obtained, others safety and toxicity of the products, nor Rakiro Biotech assumes any liability arises out of use/misuse by others of the product referred to herein.          Information proved herein is provided by Rakiro Biotech solely for customers' assistance in implying with the occupational Safety &amp; Health Act Regulations there under. Any other use is prohibited.</p>										



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<b>Doc No :</b>	MSDS-WT-AF 10
<b>Rev No :</b>	0
<b>Product :</b>	WATREET
<b>Product Code :</b>	WT-AF 10

**MATERIAL SAFETY DATA SHEET**

1	<b><u>PRODUCT IDENTIFICATION AND INFORMATION</u></b>	
	Chemical Name : WATREET AF 10 Proprietary formulation : Water treatment formulation Antifoamer	
2	<b><u>INFORMATION ON INGREDIENTS AND TOXICITY DATA</u></b>	
	Product comprises of the following ingredients An Emulsion of Activated silicon oil in water.	
	<b>Name</b>	<b>CAS No</b>
	Emulsified silicon oil defoamer	7732-18-5
3	<b><u>FIRE AND EXPLOSION DATA</u></b>	
	Flammable Limits in air,%by Volume :	N.A
	Flash Point :	None
	Extinguishing Media :	Water, Foam
4	<b><u>FIRST AID MEASURES</u></b>	
	Ingestion (Swallowing):	May cause nausea and vomiting / Dilute by drinking copious amounts of water and obtain medical attention
	Skin Contact :	Slightly irritating to skin / Wash affected skin with soap / water and obtain medical attention
	Eye Contact :	Irritating to eyes / wash eyes with large amount of water foratleast 15 minutes and obtain medical attention
	Inhalation :	Vapors may be irritating to nose throat and respiratory tract producing symptoms of nausea in poor ventilated area. Remove subject to fresh air obtain medical Attention
5	<b><u>FIRE FIGHTING MEASURES.</u></b>	
	Since product is not inflammable so no fire fighting measures are required.	
6	<b><u>REACTIVITY DATA</u></b>	
	Stability : Stable under normal storage conditions. Hazardous Polymerisation will not occur.	
7	<b><u>HANDLING AND STORAGE</u></b>	
	Wear rubber gloves and safety goggles. Avoid breathing vapors and avoid skin contact. Keep away from direct heat and sunlight.	
8	<b><u>SPILL OR LEAK PROCEDURES</u></b>	
	Soak up spills with absorbent material and scoop into drums. Follow all local, state and federal regulations for disposal. Do not dispose into lakes and streams. The floor may be slippery use caution to avoid falls.	

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**MATERIAL SAFETY DATA SHEET**

9	<b><u>SPECIAL PROTECTION INFORMATION</u></b> Respiratory protection : Maintain good ventilation otherwise use self- contained breathing apparatus. Ventilation protect : Local exhaust / mechanical (General) Protective Gloves : Yes Eye Protection : Safety Goggles Other Protection : Long Sleeve Shirt, long pants, Boots and hat. Hygienic Practices : Follow normal hygienic practices for handling chemicals.
10	<b><u>PHYSICAL &amp; CHEMICAL PROPERTIES</u></b> Refer '2' Composition / information on ingredients
11	<b><u>TOXICOLOGICAL INFORMATION</u></b> Since the product is non toxic at used levels,no tests have been carried out.
12	<b><u>ECOLOGICAL INFORMATION</u></b> AQUATIC TOXICOLOGY - No Data Available. BIODEGRADATION - No Data Available.
13	<b><u>DISPOSAL CONSIDERATIONS</u></b> Consult state and local regulations regarding the proper disposal of this material.
14	<b><u>TRANSPORT INFORMATION</u></b> Since product is non hazardous, non toxic, non inflammable. No unusual precaution is required.
15	<b><u>REGULATORY INFORMATION</u></b> Consult state and local regulatory authorities.
16	<b><u>OTHER INFORMATION</u></b> The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations. Rakiro Biotech assumes no responsibility for injury to customers or third persons caused by the material, if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, since actual use by others is beyond our control, no guarantee expressed or implied is made by Rakiro Biotech as to effect of such use, the results to be obtained, others safety and toxicity of the products, nor Rakiro Biotech assumes any liability arises out of use/misuse by others of the product referred to herein. Information proved herein is provided by Rakiro Biotech solely for customers' assistance in implying with the occupational Safety & Health Act Regulations there under. Any other use is prohibited.

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Doc No :	MSDS-WT-Resclean
Rev No :	0
Product :	WATREET
Product Code :	WT-WT-Resclean

**MATERIAL SAFETY DATA SHEET**

1	<b><u>PRODUCT IDENTIFICATION AND INFORMATION</u></b> Chemical Name : WT-Resclean Proprietary formulation : Resin cleaner solution for ion exchange resins.												
2	<b><u>INFORMATION ON INGREDIENTS AND TOXICITY DATA</u></b> Product comprises of the following ingredients Aqueous solution of : <table border="1"><thead><tr><th>Name</th><th>CAS No</th><th>LD50 Oral(Rat)</th></tr></thead><tbody><tr><td>Hydroxy ethylene diphosphonic acid</td><td>2809-21-04</td><td>2400 mg/kg</td></tr><tr><td>Benzalconium chloride</td><td>8001-54-5</td><td>240 mg/Kg</td></tr><tr><td>Nonyl phenol Ethoxylate</td><td>9016-45-9</td><td></td></tr></tbody></table>	Name	CAS No	LD50 Oral(Rat)	Hydroxy ethylene diphosphonic acid	2809-21-04	2400 mg/kg	Benzalconium chloride	8001-54-5	240 mg/Kg	Nonyl phenol Ethoxylate	9016-45-9	
Name	CAS No	LD50 Oral(Rat)											
Hydroxy ethylene diphosphonic acid	2809-21-04	2400 mg/kg											
Benzalconium chloride	8001-54-5	240 mg/Kg											
Nonyl phenol Ethoxylate	9016-45-9												
3	<b><u>FIRE AND EXPLOSION DATA</u></b> Flammable Limits in air,%by Volume : N.A Flash Point : None Extinguishing Media : Water, Foam												
4	<b><u>FIRST AID MEASURES</u></b> Ingestion (Swallowing): May cause nausea and vomiting / Dilute by drinking copious amounts of water and obtain medical attention Skin Contact : Slightly irritating to skin / Wash affected skin with soap / water and obtain medical attention Eye Contact : Irritating to eyes / wash eyes with large amount of water for atleast 15 minutes and obtain medical attention Inhalation : Vapors may be irritating to nose throat and respiratory tract producing symptoms of nausea in poor ventilated area. Remove subject to fresh air obtain medical Attention												
5	<b><u>FIRE FIGHTING MEASURES.</u></b> Since product is not inflammable so no fire fighting measures are required.												
6	<b><u>REACTIVITY DATA</u></b> Stability : Stable under normal storage conditions. Hazardous Polymerisation will not occur.												
7	<b><u>HANDLING AND STORAGE</u></b> Wear rubber gloves and safety goggles. Avoid breathing vapors and avoid skin contact. Keep away from direct heat and sunlight.												
8	<b><u>SPILL OR LEAK PROCEDURES</u></b> Soak up spills with absorbent material and scoop into drums. Follow all local, state and federal regulations for disposal. Do not dispose into lakes and streams. The floor may be slippery use caution to avoid falls.												



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<b>Product Code :</b>	WT-WT-Resclean

**MATERIAL SAFETY DATA SHEET**

9	<b><u>SPECIAL PROTECTION INFORMATION</u></b>	
	Respiratory protection :	Maintain good ventilation otherwise use self- contained breathing apparatus.
	Ventilation protect :	Local exhaust / mechanical (General)
	Protective Gloves :	Yes
	Eye Protection :	Safety Goggles
	Other Protection :	Long Sleeve Shirt, long pants, Boots and hat.
	Hygienic Practices :	Follow normal hygienic practices for handling chemicals.
10	<b><u>PHYSICAL &amp; CHEMICAL PROPERTIES</u></b>	
	Refer '2' Composition / information on ingredients	
11	<b><u>TOXICOLOGICAL INFORMATION</u></b>	
	Since the product is non toxic at used levels,no tests have been carried out.	
12	<b><u>ECOLOGICAL INFORMATION</u></b>	
	AQUATIC TOXICOLOGY - No Data Available. BIODEGRADATION - No Data Available.	
13	<b><u>DISPOSAL CONSIDERATIONS</u></b>	
	Consult state and local regulations regarding the proper disposal of this material.	
14	<b><u>TRANSPORT INFORMATION</u></b>	
	DOT Shipping Name	Corrosive liquid , acidic ,organic ,n.o.s. ( phosphonic acid )
	DOT Hazard Class	8
	DOT ID Number	UN3265
	Packing Group	III
	DOT Label	Corrosive
	DOT Shipping Name	Corrosive liquid , acidic organic ,n.o.s. ( phosphonic acid )
	DOT Hazard Class	8
	DOT ID Number	UN3265
	Packing Group	III
	DOT Label	Corrosive
		Ethoxylated nonylphenol
		9
		UN3082
		III
15	<b><u>REGULATORY INFORMATION</u></b>	
	Consult state and local regulatory authorities.	
16	<b><u>OTHER INFORMATION</u></b>	
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