



# Water treatment products & Chemicals

## 1 Water Treatment Products

Comprehensive solutions for water purification.

## 2 Cartridge Housings & Flowmeters

Essential components for water filtration systems.

## 3 Pressure Gauges, Multiport Valves, & Dosing Pumps

Critical for water pressure management and chemical dosing.

## 4 Water Treatment Chemicals

Chemicals for treating and purifying water.

## 5 Cooling Water Chemicals

Specialized chemicals for cooling water systems.

## 6 Fireside Chemicals & ETP Chemicals & Media

Chemicals and media for fireside and effluent treatment plants.

# Water Treatment Products



## RO Plant

Removes dissolved solids, producing high-purity water for pharmaceuticals and food processing. Ensures compliance with stringent quality standards.



## DM Plant

De-mineralizes water, ideal for boiler feed and electronics manufacturing. Prevents corrosion and scaling, extending equipment life.



## Softener Plant

Reduces water hardness, preventing scale buildup in plumbing and appliances. Improves the efficiency of detergents and soaps.



## STP Plant

Treats wastewater, ensuring safe discharge into the environment. Reduces pollutants and protects water resources from contamination.



# Water Treatment Products

## Wound PP

PPY -10", PPY -20",  
PPY -30", PPY -40",  
PPY-BB -10", PPY-BB  
-20"

## Meltblown PP

P-10", P-20", P-30", P-  
40", P-BB-10", P-BB-  
20"

## Pleated PP

PL-10", PL-20", PL-30",  
PL-40"



# Cartridge Housings and Flowmeters

## Cartridge Housings

10" BL-L (economy only), 10" BL-L (industrial), 20" BL-L (economy), 20" BL-L (industrial), 10" BB-L, 20" BB-L, 20" bag vessel assembly (eco)

## Flowmeters

Z 3001, Z 3002, Z 3003, Z 3004, Z 3005, Z 3006, Z 3006I, Z 4004



plow



multiport valve



# Pressure Gauges, Multiport Valves, and Dosing Pumps

## Pressure Gauges

GP-2-100, LF-2-100,  
LF-2ZT-100, LF-2-300,  
LF-2ZT-300

## Multiport Valves

20-F, 20-S, 20-MB,  
25-TM-F, 25-TM-S, 25-  
SM-F, 25-SM-S, 25-  
SM-DM, 25-TM-DM,  
40-TM-F, 40-TM-S,  
40-SM-F, 40-SM-S,  
40-SM-DM, 40-TM-  
DM

## Dosing Pumps

Edose Neo

# Water Treatment Chemicals

## Boiler Water Treatment

Scavenger- Hydrazine Based,  
Scavenger- Sulphite Based,  
Scale & Corrosion Inhibitor,  
Single Product Treatment In-  
IBR, PH/ Alkalinity Builder,  
Condensate Correction  
Inhibitor, Single Product  
Amine

## Services Chemicals

Online Descaling Chemicals,  
Boilout Chemicals, Descaling  
Chemicals, Cation Resin  
Cleaning Chemicals, Anion  
Resin Cleaning Chemicals

## RO Chemicals

Ro Antiscalant (Low Silica Low TDS), RO Antiscalant (High Silica High  
TDS), Ro Descalant





# Cooling Water Chemicals



## Scale & Correction Inhibitor

Prevents scale formation.



## Alkalinity Controller

Controls alkalinity levels.



## BIOCIDE (QAT), BIOCIDE (PNT), BIOCIDE (BNA)

Controls biological growth.



## Dispersant, CI & SI Close Loop Hot Water, CI & SI Close Loop Chiller Water, BIOCIDE

Disperses solids and inhibits  
corrosion.



# Fireside Chemicals and ETP Chemicals & Media

## Fireside Chemicals

General Fule Conditioner, Fireside Chemicals For Oil, OffThermic Fluid Descaling Chem, OnI Thermic Fluid Descaling Chem

## ETP Chemicals & Media

Biomass Culture For STP, Biomass Culture For ETP, Polyeletrolyte Cationic Anaionic Nonionic, Alum, Lime, Caustic Soda Flakes, Citric Acid, Sulphamic Acid, DAP, H 202, PAC, H2S04, Sodium Hypo Chloride, SMBS, Ferrous Sulphate, Acetic Acid, HCL, Deodrant, Defomer, Aqua 207, Sand, Carbon, Resin



Sand



Carbon



Resin



# Comprehensive Water Testing Solutions

Radha Industries offers a complete range of water testing kits for accurate parameter measurement across various applications.



# Parameter Testing Range

1

Acidity

10-200 & 100-2000 as  $\text{CaCO}_3$

2

Alkalinity

5-100 & 50-1000 as  $\text{CaCO}_3$

3

Chlorine

0.1-5.0 as  $\text{CL}_2$

4

pH Test

4-11 as pH (0.5 pH increments)



# Testing Methods



D.C.T.

Drop Count Titration



C.C.

Color Comparison



T.M.

Turbidimetric Method

# Multi-Parameter Test Kits

## Boiler/Cooling Water

Tests alkalinity, chloride, hardness, sulfite

## Aquaculture

For fish farmers - tests oxygen, ammonia, pH

## Potable Water

Tests pH, TDS, nitrite, chloride, hardness

## Soil Testing

Tests pH, organic carbon, nitrogen, phosphate



# Metal Detection Capabilities

1

Iron

0-10 ppm as Fe

2

Copper

0.3-3 ppm as Cu

3

Aluminium

0-1.2 ppm as AL

4

Zinc

0.3-45 ppm as Zn



# Chemical Parameter Testing



# Test Papers & Strips



Quick testing solutions for chlorine, pH, ammonia, peracetic acid, and quaternary compounds.

# Digital Testing Instruments



TDS Meter

Range: 0-9999 ppm



pH Meter

Range: 0-14 pH



Thermometer

Range: -10°C to +200°C

# RADHA INDUSTRIES: Effluent Treatment Decolourant Chemical

Welcome to Radha Industries, where we specialize in innovative solutions for textile effluent treatment. Our flagship product, ETDC 2809, addresses one of the most challenging aspects of textile waste management - colour removal.

Textile industries face strict pollution control norms requiring effluents to be free of colour, odour, and turbidity. Our unique formulation based on Dicyan diamide effectively tackles these challenges while supporting the Make in India initiative.

# The Textile Effluent Challenge

## Difficult Dye Removal

Textile dyes are designed to be chemically stable, making them extremely difficult to remove from wastewater.

## Strict Regulations

Modern pollution control norms require effluents to be completely free of colour, odour and turbidity before discharge.

## Environmental Impact

Untreated textile effluents can cause significant environmental damage to water bodies and ecosystems.



# Why Choose Radha Industries?



## Make in India Initiative

Inspired by the Make in India initiative, our products specifically cater to the effluent treatment needs of textile industries in our country.



## Customized Solutions

We excel in creating tailor-made products, balancing commercial aspects with the technical specifications of dosing units at customer sites.



## Reliable Supply Chain

With ample stocking space, we ensure timely material dispatch, maintaining a consistent supply chain for uninterrupted operations.



# ETDC 2809: Product Features



## Powerful Formulation

Our formulation contains free cationic radicals which can destabilize even the toughest dyes like denims, breaking down colour molecules and making them available for flocculation and settling.



## Effective Decolourisation

Technological advantages include lower dosage requirements while achieving complete and effective decolourisation of textile effluents.



## Environmental Benefits

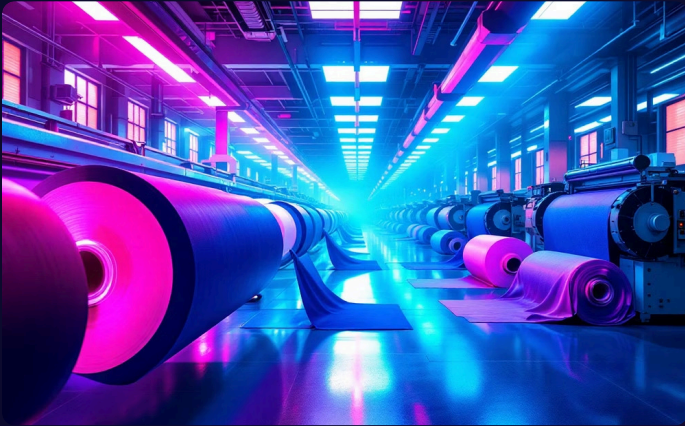
ETDC 2809 significantly reduces Chemical Oxygen Demand (COD), contributing to environmental protection and helping industries meet regulatory standards.

# How ETDC 2809 Works



Our unique formulation works at the molecular level to break down even the most stubborn dye compounds. The process is efficient and requires minimal chemical input compared to traditional methods.

# Applications & Industries Served



## Denim Industry

Specially formulated to tackle the challenging indigo dyes used in denim production, which are notoriously difficult to remove from wastewater.



## Textile Printing

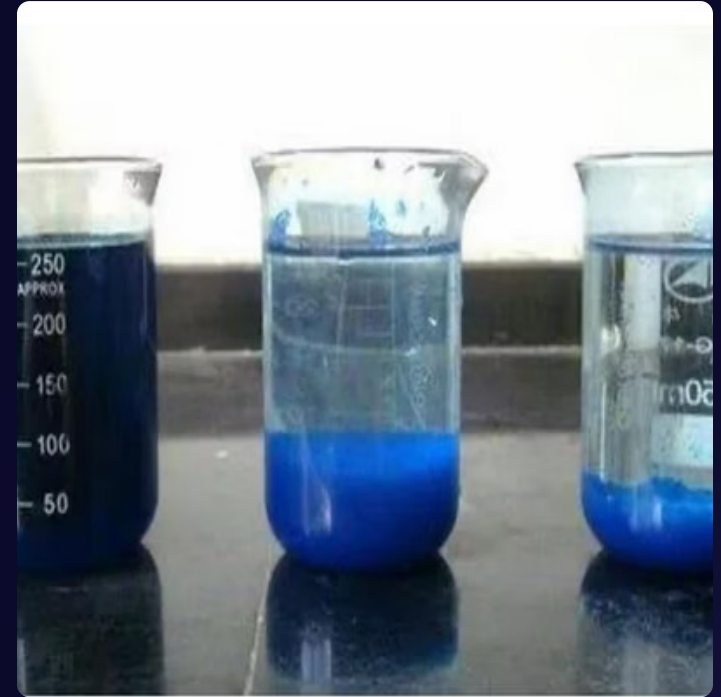
Effectively treats effluents containing various printing dyes and pigments used in textile decoration processes.



## Dyeing Units

Handles the wide spectrum of reactive, direct, and disperse dyes used in textile dyeing operations.

# Contact Radha Industries



"Keeping Clarity and Purity Restored"

Ready to transform your effluent treatment process? Contact us today to discuss your specific requirements and how ETDC 2809 can help your facility meet regulatory standards while optimizing costs.

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