



Additive 5802

Green Chemistry

High Efficiency

Reduction in the consumption and handling of chemical products.

Organic sludge*



HARMONY
ADDITIVES PVT. LTD.

Marketing & Logistic Office

**Harmony House, Plot 77/77, RSC - 9, Gorai - 1,
Borivli (West), Mumbai - 400 092. India.**

Tel: + 91 - 22 - 2860 8000 (100 Lines) / 2860 3611 / 22 / 33 Fax: 2860 3600

e-mail: harmonyadditive@yahoo.com / info@additive.in

URL: www.harmonyadditive.com / www.defoamer.co.in / www.additive.in

UAE:

P. O. Box: 29453, Dubai, UAE.

*** Needs to be evaluated case to case**

WASTE WATER TREATMENT

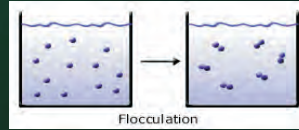


WHAT IS ADDITIVE 5802?

Additive 5802 is vegetable based low molecular weight Cationic Organic Polymer.

Prime function of this Polymer is:

- Coagulant
- Flocculant
- Auxiliary Flocculating Agent



HOW ADDITIVE 5802 WORKS?

Additive 5802

- Neutralises Charges
- Creates Electric Bonds between Particles



Thereby making particles unstable and clump together, resulting in sedimentation.



SIGNIFICANT CHARACTERISTIC OF

Additive 5802 is not altering the pH of Water under treatment as it does not consume the environment's Alkali. It is effective in pH range of 4.5 to 8.0

ADVANTAGES OF USING ADDITIVE 5802:

- Reduction in the consumption and handling of chemical products
- More efficient removal of COD
- More efficient removal of oils and greases
- Organic sludge*
- Usage of product compatible with the posterior biological treatment.
- Increased efficiency in physical /chemical treatment
- Generated effluent with final pH of around 7.0 – eliminated need for correction with alkalizing agent
- Environmental friendly generation of biodegradable sludge*
- Eliminated equipment and pipe corrosion caused by iron chloride application
- Health & safety improvement through use of non aggressive product

* Needs to be evaluated case to case

ADDITIVE 5802

TECHNICAL DATA

Appearance	Dark Brown Liquid
Description	Natural Cationic Product
Active Matter	30.0 ± 2.0
pH	2.0 ± 1.0
Density	2.0 ± 1.0
Solvent	Water
Flash Point	Not Applicable

Shelf Life:

6 months from the date of manufacture

Note:

Additive 5802 maintains its characteristics of coagulant and flocculent unchanged if properly stored in ventilated room and protected from sunlight. Inadequate conditions and a prolonged storage period may cause stability

EFFLUENT AFTER PHYSICAL / CHEMICAL TREATMENT (FLOATATION)

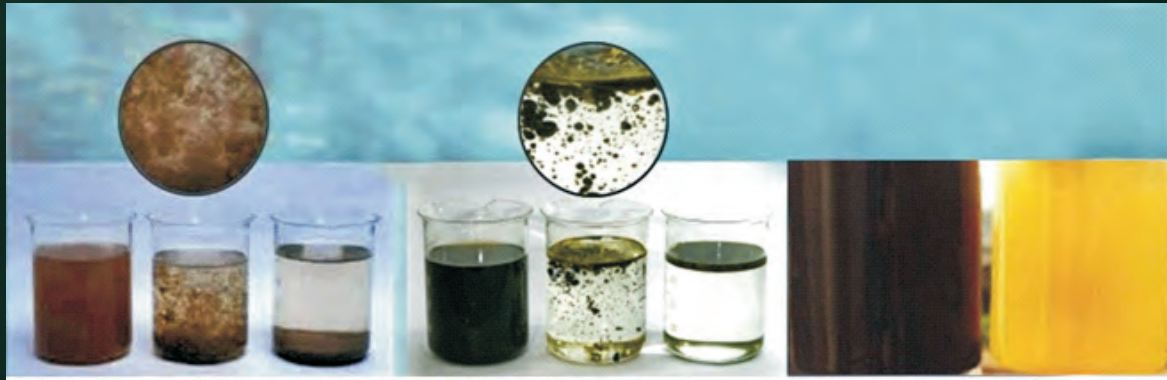


Property	FeCl ₃	Additive 5802
pH	5.5	6.5
BOD	50 gm/l	38 mg/l
COD	95 gm/l	73 mg/l
Turbidity	Hazy	Clear

WASTE WATER TREATMENT

APPLICATION OF ADDITIVE 5802:

WASTE WATER TREATMENT



Slaughterhouse:
Removes Grease & Proteins

Petroleum Refinery:
Removes Oil, Grease & H₂S

Sugar Cane:
Juice Clarification



Pulp & Paper



Food Processing



Metallurgy



Chemical Industries



Rubber Industry



Tanneries

Also

- In primary or secondary treatment plants.
- Petrochemical Waste Waters, on the secondary treatment of integrated systems.
- Rubber Industry, reducing suspended solids and reducing COD / BOD.
- Drinking water treatment on conventional and compact treatment plants



Drinking Water

WASTE WATER TREATMENT

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Note:

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