Formula 35HD

Advanced Hydrocarbon Treatment

Breaks Down Hydrocarbons in Wastewater Systems

Hydrocarbons are organic compounds composed solely of carbon and hydrogen, commonly found in petroleum, natural gas, coal, and bitumen. Wastewater rich in hydrocarbons presents significant treatment challenges. These streams are often high in chemical oxygen demand (COD) and can release volatile organic compounds (VOCs), leading to potential regulatory fines.

When hydrocarbons are dissolved or finely dispersed, conventional methods such as gravity separation or filtration are ineffective. Hydrocarbons also resist normal biological degradation. However, specialized bacterial strains are capable of breaking down these compounds, offering a reliable solution for hydrocarbon-contaminated wastewater.

Why Choose Formula 35HD?

Formula 35HD Hydrocarbon Degrader is engineered to treat wastewater sumps contaminated with gasoline, diesel, oils, greases, antifreeze, and petroleum-based solvents. This advanced blend combines specialized bacteria with high-potency nutrients and stimulants, ensuring effective degradation and consistent performance even under demanding conditions.

Features

- Concentrated dry bacterial formulation for hydrocarbon degradation
- Includes micronutrients, enzymes, and growth stimulants for enhanced biological activity
- Water-soluble ½-lb bags for easy application
- Performs in low-oxygen wastewater environments
- Biodegradable and environmentally responsible solution
- Packaged in 25-lb pails

Benefits

- Reduces hydrocarbons and toxic compounds in wastewater
- Improves effluent quality and system stability
- Decreases chemical demand and operational costs
- Supports compliance with environmental regulations
- Minimizes maintenance downtime

Dosage Schedule

Flow Rate	Initial Dosage	Maintenance**
Up to 1,000 GPD	½ lb per day for 3 days	½ lb per week
Up to 5,000 GPD	½ lb per day for 3 days	1 lb per week
Up to 20,000 GPD	5 lbs*	1½ lbs per week
Up to 50,000 GPD	8 lbs*	2 lbs per week
Up to 250,000 GPD	15 lbs*	¼ lb per day
Up to 500,000 GPD	25 lbs*	½ lb per day
Up to 1 MGD	50 lbs*	1 lb per day
Up to 5 MGD	50 lbs per MGD*	1 lb per MGD per day
Up to 12 MGD	50 lbs per MGD*	¾ lb per MGD per day
Up to 100 MGD	30 lbs per MGD*	½ lb per MGD per day

* Spread this initial dosage out over the course of 10 days.

** Add as regularly as possible. If you miss one day, add that day's product with the next dosage.

Dosage rate will vary with flow rates, retention times, and system variations.

Do not add to the treatment system at a location where toxic or otherwise adverse pH, dissolved oxygen or temperature conditions may exist at peak levels.

For optimal results, the wastewater treatment system should meet the following conditions:

	Optimum	Minimum
Influent pH	7.0	5.0
Dissolved oxygen, ppm	2.0+	1.0+
C/N/P ratio	100/10/1	100/5/1
Temperature	30 °C (86 °F)	10 °C (50 °F)
Toxic metals, ppm (e.g., hexavalent chromium)	0	0