



**OWS**

Oil & Water Separator Additive

**PRODUCT INFORMATION**

# OWS

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## OWS Oil & Water Separator Additive

speeds the breakout of oil from water in separator units.

**OWS** also retards foaming and odour and decreases sludge buildup for reduced maintenance of the unit.

Hydrostatic bonding of the oil/water mix in separator units retards oil breakout. **OWS** reduces this bonding and increases oil breakout. The resulting oil is drier and the water is cleaner.

## What does **OWS** do?

- 💧 Speeds oil breakout from water
- 💧 Retards foaming in tank
- 💧 Retards foul odor formation
- 💧 Decreases Sludge build up
- 💧 Prevents algae and mould growth
- 💧 Lowers DRO ppm discharge
- 💧 Produces cleaner water
- 💧 Yields drier oil
- 💧 Reduces cleanout rate
- 💧 Prevents rust formation in water contact area
- 💧 Extends catalyst life
- 💧 Reduces maintenance costs

# Unsurpassed efficiency in separator maintenance

**OWS** is formulated to rapidly breakdown emulsions that clog separator units. Emulsion formation in the separator reservoir is the major cause of maintenance problems that include foul odour and foaming.

These emulsions provide a platform for the formation and growth of biological growth such as algae and mold that contribute to the foul smell of some units. **OWS** destroys this residual biological growth thus eliminating the odour.

Separators treated with **OWS** yield a cleaner discharge with lower DRO ppm. This fact occurs because the reduced hydrostatic bonding causes a reduction in foaming.

Foam in a separator will carry hydrocarbon molecules that “defeat” the plates or baffles in the separator unit and contaminate the clean water discharge reservoir.

**OWS** breaks down the hydrostatic bonds that retard separation of fluids in the tank. This action eliminates most foaming in the unit.

## USAGE GUIDELINES

This NON-HAZ formulation speeds hydrocarbon breakout from runoff and process water in separator units and far exceeds the speed and efficiency of other treatment additives.

**PLUTUS OWS** speeds the clean breakout of oil from water by reducing the surface tension of water molecules. The treated water will no longer hold the oil.

### Note

State and Local Regulations should always be reviewed in order to determine what treatment can be applied in your individual situation.

## USES FOR PLUTUS OWS

**PLUTUS OWS** is a very effective solution for use in a variety of commercial and industrial separator situations, especially:

- 🔧 Petroleum/crude oil storage areas
- 🔧 Crude oil production areas
- 🔧 Refineries
- 🔧 Travel centres
- 🔧 Convenience stores, delis and grocery stores
- 🔧 Service stations
- 🔧 Airports
- 🔧 Bus stations and parking areas
- 🔧 Junk yards and impound facilities
- 🔧 Rail yards
- 🔧 Maintenance and repair facilities
- 🔧 Heavy equipment storage yards
- 🔧 Electrical transformer and pole storage lots
- 🔧 Food processing and slaughter operations

**OWS** is formulated to be consistent with US EPA NCP NPS and California Code 50 Guidelines, and is non-hazardous and safe for the environment. No PPE is required when handling **OWS** however **PLUTUS** recommends that safety eyewear be used when pouring or applying any remediation liquids.

## APPLICATION INSTRUCTIONS

### Step 1

Before beginning any treatment process make sure all SAFETY GUIDELINES and PROCEDURES are in place. If in doubt about correct procedure, then check with EPA, SAFETY OFFICER and/or OSHA before proceeding. Plutus Environmental Technologies, Inc. or its associated or subsidiary companies shall not be held liable or at risk for any safety violations or errors by the user.

### Step 2

Determine severity of contamination in well based on existing test data. If test data is not available then use the Severe Contamination Chart until contamination is determined.

### Step 3

One gallon **OWS** per month is the normal application. Extremely high rainfall or process discharge may require heavier volume.

### Step 4

Apply Plutus **OWS** by pouring directly into drain or separator system tank.

### Step 5

Add one gallon before using when tank is placed into service or if an odor occurs.

### Note

**OWS** retards the formation of emulsions in the tank. These emulsions are normally the cause of foul odor and poor performance in separator systems. Regular addition of **OWS** keeps water discharge cleaner and DRO and TDH numbers lower.



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