

# OrangeWorks

**OrangeWorks** is a unique wax dissolver, de-emulsifier, safe cleaner, and degreaser whose active ingredients are all derived from orange oils. In most applications, it will replace chlorinated, paraffin-based, and aqueous systems in cleaning up hydrocarbon residues including the known carcinogens xylene and toluene. **OrangeWorks** is the product of choice to pump subsurface for wax dissolving or inside, and outside, surface equipment.

**OrangeWorks** has been independently Tested and Classified as:

- Not Flammable
- Not a Skin Irritant
- Not an Eye Irritant
- Not Toxic by Ingestion
- Not Harmful by Inhalation
- Fully Biodegradable
- Not Harmful to the Environment



The formulation upon which **OrangeWorks** is based was awarded the Environmental Product of the Year by the UK Department of Environment in 1998.

## **OrangeWorks Environmental Issues:**

- Is the only solvent not requiring risk or safety warnings
- Active ingredients are all derived from oranges.
- Contains no surfactants and therefore will not emulsify with water.
- Generates no harmful vapor emissions.

## **OrangeWorks** will:

- Dissolve wax, asphaltenes, and other hydrocarbon residues.
- De-emulsify sludges with no emulsified interface.
- Highly effective degreaser for cleaning equipment and oily surfaces.
- Not damage metal, cured resins, or painted surfaces.
- Greatly improve the quality of effluent discharge when used with drainage to an interceptor.
- Evaporate to dryness, but slowly.
- Provide reduced waste volume.
- Prevent the formation of oily water emulsions.
- Provide a pleasant orange odor.

When used to clean equipment and other oily surfaces, depending on the thickness of deposits, on flat surfaces one liter of **OrangeWorks** will cover approximately 27 square meters or 288 square feet. Where capture is possible or circulation systems are practical, **OrangeWorks** can be reused until the saturation point has been reached.

**OrangeWorks** is excellent for separating sludges leaving a sharp interface with no emulsified layer as it is only dissolved in the oil fraction.

If **OrangeWorks** is used to dissolve wax subsurface or on the surface it can remain in the processing system. To dispose of **OrangeWorks** as waste oil, suitable for burning. **OrangeWorks** provides a clear separation between grease (or oil) and water. It is then a simple matter to pump the water off and then dispose of the oil in the normal manner.

Other points to consider concerning waste and disposal.

- Costs
- Waste normally has some commercial value.
- OrangeWorks is less toxic than the contaminant.
- Easy disposal through existing oil recovery contracts.
- Enhanced interceptor performance.
- Collectable with sorbents.



**OrangeWorks** comes in 200-liter drums, 4 to a pallet.