

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 all derived from oranges.
- Contains no surfactants and therefore will not emulsify with water.
- Generates no harmful vapour 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 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 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 surface it can remain in the process system. To dispose of **OrangeWorks** as waste oil, suitable for burning. **OrangeWorks** provides clear separation between grease (or oil) and water. It is then a simple matter to pump the water off and then dispose of oil in the normal manner.

Other points to consider with regard to 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.