



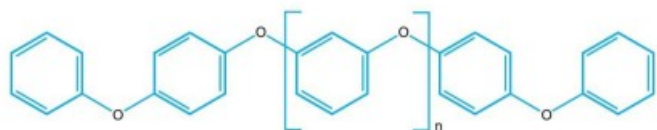
Santovac 5 Cryo Oil - 1 ml

Oil based cryoprotectant

Product codes:

Reference: HR 2861

Product gallery:



Product description:

- Low viscosity
- Low surface tension
- Cryoprotectant for soluble and membrane protein crystals
- Not miscible with most solvents
- Non toxic, non penetrating cryoprotectant

Used during cryocrystallography to displace and reduce the amount of water (mother liquor, reagent) on the crystal after the crystal is mounted in a cryoloop. Coating the crystal with oil can minimize evaporation from the crystal and reduce exposure and slow diffusion of air (oxygen) to the crystal.

Santovac Cryo Oil offers low viscosity, incredibly low vapor pressure, low surface tension, excellent chemical inertness and excellent thermal stability.

Dip the mounted crystal into the oil to displace surface water. Or add a small amount of Santovac to the crystallization drop before mounting the crystal. After adding the Santovac, mount the crystal using a Mounted Cryoloop. Withdraw the mounted crystal from the drop and the Santovac will coat the mounted crystal. Cryogenically cool the mounted crystal.

Santovac (Santovac 5) is a five ring polyphenyl ether (PPE) with very low vapor pressure and low reactivity. The oil is highly resistant to oxidation. The only elements in the pure polyphenyl ether



are oxygen, hydrogen and carbon.

The fluid is chemically stable, non-corrosive, safe and non-toxic at normal operating temperatures.

Santovac is not miscible with water, paraffin oil, silicon oil, alkanes, or Parabar 10312 (Paratone). Santovac is miscible with acetone. Shelf life 5 years.

Santovac is a trademark of Santovac Fluids.

Per maggiori informazioni visita il sito <https://hamptonresearch.com/>

Product features:

CRF - TIPO: Santovac Cryo Oil