

## Titanium Dioxide in Oil (ultrafine)

### Material Safety Data Sheet (MSDS)

#### 1. PRODUCT IDENTIFICATION

Product Name: Titanium Dioxide in Oil  
INCI Name: C12-15 Alkyl Benzoate, Titanium Dioxide Triethoxycaprylylsilane, Castor Oil Phosphate  
Synonyms:  
CAS Number: 68411-27-8, 13463-67-7, 2943-75-1, 6830-62-3  
EINECS Number: 270-112-4, 236-675-5, 215-222-5

#### 2. PHYSICAL & CHEMICAL PROPERTIES

Density:	n/a
Melting Point:	n/a
Boiling Point:	n/a
Ignition temperature:	n/a
Vapor Pressure:	n/a
Solubility in Water:	insoluble
Sublimation temperature:	n/a
Appearance & Odor:	white paste, characteristic odor

#### 3. STABILITY & REACTIVITY

Chemical Stability: stable under normal conditions  
Incompatibility: none known  
Hazardous Decomposition: None known  
Hazardous Polymerisation: Will not occur  
Hazardous Reactions: None known

#### 4. HANDLING & STORAGE

Handle with care. Good manufacturing practice should be followed.

#### 5. ACCIDENTAL RELEASE MEASURES

Dike spill and collect in appropriate containers ready for disposal.

#### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

Respiratory Protection: Use a face mask approved for mineral dusts by NIOSH. Maintain sufficient ventilation to maintain concentrations below TLV.  
Protective Clothing: Normal protective clothing and gloves. Wear safety glasses or goggles.  
Other Protective Measures: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

#### 7. HAZARDS IDENTIFICATION

Ingestion may cause nausea and vomiting.

#### 8. FIRST AID MEASURES

Eyes: Flush eyes thoroughly with water for 15 minutes, if discomfort persists, obtain medical assistance.  
Skin: Wash affected area with soap and water.  
Inhalation: Remove to fresh air. If discomfort persists, obtain medical assistance.  
Ingestion: Non-hazardous. If a large amount is ingested or if discomfort persists, obtain medical assistance.

#### 9. FIRE FIGHTING MEASURES

Flammability: n/a  
Flammability Limits: None known  
Extinguishing Media: Water fog, alcohol foam, Co2 or dry chemical.  
Fire Fighting Procedures: No unusual hazards known to manufacturer, no special fire fighting equipment needed.

#### 10. TOXICOLOGICAL INFORMATION

At normal levels product may cause eye discomfort and or respiratory tract discomfort. If discomfort persists obtain medical assistance. If overexposure occurs obtain medical assistance.

#### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Characterization and compliance with applicable laws are the responsibility solely of the generator.

#### 12. TRANSPORT INFORMATION

Not classified as hazardous for transport.

#### 13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.

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