

MATERIAL SAFETY DATA SHEET.

1. IDENTIFICATION OF SUBSTANCE/PREPARATION & COMPANY.

PRODUCT NAME: TITANIUM DIOXIDE

CHEMICAL CHARACTERISATION: Pigment White 6 - C.I. 77891

SUPPLIER: The Soap Kitchen, 11a South Street, Torrington, Devon, EX38 8AA.

Emergency Tel No: 01805 622944 Emergency Contact: Mr. Richard Phillips.

2. COMPOSITION / INFORMATION ON INGREDIENTS.

CONTAINS: TiO₂

H-No:

CAS No: 13463-67-7

EU Ref: Annex IV Part 1

EU Number: E171

FEMA:

FDA: Titanium dioxide

IFRA:

Application:

Japan: Titanium dioxide

EINECS: 2366755

RTECS:

INCI name:CI 77891

FCCIV:

3. HAZARDS IDENTIFICATION:

Not classified as dangerous. Should be treated as a nuisance dust. No adverse environmental effects are known to result from the use of titanium dioxide pigments. They are insoluble and in the environment are practically inert materials

4. FIRST-AID MEASURES:

INHALATION: Remove from exposure site to fresh air. Keep at rest. Obtain medical attention.

EYE CONTACT: Rinse immediately with plenty of water for at least 15 mins, holding eyelids open. Contact a doctor if symptoms persist.

SKIN CONTACT: Remove contaminated clothes. Wash thoroughly with soap & water. If irritation persists, seek medical advice.

INGESTION: Rinse mouth and then drink plenty of water. Seek medical advice if large amounts are involved.

OTHER: When assessing action take Risk & Safety Phrases into account (Section 15)

5. FIRE FIGHTING MEASURES.

EXTINGUISHING MEDIA RECOMMENDED: Use Water Mist, CO₂, Dry Powder or Foam type Extinguishers, spraying extinguishing media to base of flames. Do not use direct water jet on burning material.

SPECIAL MEASURES: No special hazards. Titanium dioxide pigments do not burn.

EXTINGUISHING PROCEDURES: No special hazards. Titanium dioxide pigments do not burn.

6. ACCIDENTAL RELEASE MEASURES.

PERSONAL PRECAUTIONS: Avoid inhalation & direct contact with skin & eyes. Use individual protective equipment (safety glasses, waterproof-boots, suitable protective clothing) in case of major spillages.

ENVIRONMENT PRECAUTIONS: None.

CLEANING UP METHODS FOR SPILLAGES: Vacuum up and wash spill site. Observe state, federal & local disposal regulations.

7. HANDLING & STORAGE.

PRECAUTIONS IN HANDLING: Apply good manufacturing practice & industrial hygiene practices, ensuring proper ventilation. Observe good personal hygiene, and do not eat, drink or smoke whilst handling.

STORAGE CONDITIONS: Store in closed original container, at room temperature (15-25 degC) & protect from sunlight and moisture.

FIRE PROTECTION: No special hazards. Titanium dioxide pigments do not burn.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION.

RESPIRATORY PROTECTION: Avoid breathing dust. Apply local ventilation where possible.

VENTILATION: Ensure good ventilation of working area.

HAND PROTECTION: Avoid all skin contact. Use chemically resistant gloves if required.

EYE PROTECTION: Use safety glasses.

WORK/HYGIENE PRACTICES: Dry, fine powders can remove the skin's natural oils, leaving it cracked and dry and open to infection. Wash hands with soap & water after handling. Use skin moisturisers.

9. PHYSICAL & CHEMICAL PROPERTIES.

PHYSICAL FORM:	Powder
ODOUR:	None
FLASH-POINT °C:	n/a
DENSITY :	3.9g.cm ³
BULK DENSITY :	Kg.m ³
SOLUBILITY IN WATER :	Insoluble
PH (AT 50g.l ⁻¹ WATER):	
THERMAL DECOMPOSITION :	°C

10. STABILITY & REACTIVITY.

STABILITY: Excellent

DECOMPOSITION: Hazardous Decomposition Products: None

Hazardous Exothermic Reaction: N/A

11. TOXICOLOGICAL INFORMATION.

Non toxic, LD₅₀ Mice and Rats > 15000mg/kg

After skin contact : Irritation not expected

After eye contact : Irritation possible through mechanical action of dust particles.

After inhalation : Prolonged exposure may cause discomfort to respiratory tract.

Further Data: Sensitization: None known. Does not show carcinogenic, teratogenic or mutagenic effects in animals.

12. ECOLOGICAL INFORMATION.

BIODEGRADABILITY: Not biodegradable. Insoluble. Can be removed by filtration or sedimentation.

PRECAUTIONS: Prevent surface contamination of soil, ground & surface water. Do not discharge into natural waters.

