

MATERIAL SAFETY DATA SHEET

Distributor

SUMMIT TRADE PTE LTD
9/F Baiyun Riverscape Tower, 5 Xijiang 2nd Road,
Wuzhou, Guangxi, China (543001)
Last updated: May 2017

Product identification

Product name: TITANIUM DIOXIDE
CAS NO. 13463-67-7/1317-70-0
Synonyms: TiO₂
Formula: TiO₂
Molecular weight: 80

Composition/information on ingredients

TiO₂: 92% min.

Hazards identification

Inhalation: may cause a mild irritation temporarily via the nasal passages and throat, i.e. sneezing, scratchy throat from dust inhalation. No other symptoms known.
Skin & eye: may cause mechanical eye irritation and skin irritation to allergic persons.
Ingestion: ingestion is not known to be fatal unless massive quantities ingested.
Health hazards (acute & chronic): not likely to cause any significant acute or chronic effect..

First aid measures

Eyes: immediately flush with copious amounts of water for at least 15 min.
Skin: immediately wash with soap and copious amounts of water.
Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Ingestion: wash out mouth with water provided person is conscious

Fire fighting measures

Extinguishing media: water spray, dry chemical, carbon dioxide, foam.
Fire fighting procedures: fire fighters should wear self-contained breathing apparatus and protective equipment. Use water spray to cool fire-exposed surfaces.
Fire/explosion hazard: potential for dust explosions.

Accidental release measures

Spill release procedures: wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

Handling and storage

Handling and storage precautions: avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Avoid inhalation. Keep tightly closed. Store away from heat.

Exposure controls/Personal protection

Respiratory protection: NIOSH/MSHA-approved respirator.
Ventilation: mechanical exhaust required.
Protective gloves: compatible chemical-resistant gloves.
Eye protection: chemical safety glasses.
Other protective equipment: safety shower and eye bath.
Work hygienic practices: wash hands thoroughly after handling.
Supplemental safety and health: handle in a well ventilated area.

Physical and chemical properties

TiO₂ content: 98%/ 92% min
Color (compared with standard) : not lower than
Tint-reducing power (compared with standard) : 100
Volatiles (105 deg C) : 0.5% max.
Water soluble: 0.5% max.
PH of water suspension: 6.5 - 8.0
Oil absorption (g/100g) : 26 /19 max
Residue (in 45um) : 0.1% max.
Resistivity of water extract (Ωm) : 20/80 min.

Stability and reactivity data

Stability : stable. avoid open flames, high temperature, electric arc.

Toxicological information

Dermal: this product may be irritating to the skin.
Eyes: the fine particles and powder should be regarded as an inert, nuisance dust.
Oral: not determined. We believe that this product has a low order of toxicity.

Ecological information

n/a

Disposal considerations

Waste disposal methods: Disposed by controlled incineration or by dumping in an approved land field area according to local regulations. Observe all federal, state, and local regulations.

Transport Information

Non-hazardous for air, sea and road freight.

Regulatory Information

Unspecified.

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.