



V.V. Titanium Pigments Pvt. Ltd.

Rev.Date : 08.02.2016

(AN ISO 9001 : 2008 | ISO 14001 : 2004 | OHSAS 18001 : 2007 CERTIFIED COMPANY)

Revision : 03

GENERIC MATERIAL SAFETY DATA SHEET (MSDS)

NO	SECTIONS	DETAILED EXPLANATION
1	Identification of the substance	TITANIUM DI OXIDE -ANATASE OpaTi Application: White pigment for applications in paints, latex rubbers, plastics, paper, textiles, printing inks, powder coating, cosmetics and ceramic products.
2	HAZARD IDENTIFICATION and CLASSIFICATION	May cause mechanical eye irritation. Nuisance Dust – Long term exposure to airborne concentrations above the recommended exposure limits may cause lung damage. The product is not classified hazardous according to the regulation(EC) No.1272/2008 and the council directive 67/548 EEC. Therefore no obligation exists to issue a SDS according to REACH Art.31
3	COMPOSITION / INFORMATION ON INGREDIENTS	Chemical Name CAS Number Proportion TitaniumDi Oxide 13463-67-7 >98.5%
4	FIRST AID MEASURES	<u>Inhalation</u> - Remove person to fresh air. If breathing is difficult, provide Oxygen and seek medical attention. <u>Skin contact</u> - Wash skin thoroughly with soap and water. See a Physician, if irritation persists. <u>Eye contact</u> - Rinse eyes immediately with water for at least 15 minutes. See a Physician, if irritation persists. <u>Ingestion</u> - Provide systematic treatment and seek prompt medical attention.
5	FIRE FIGHTING MEASURES	Extinguishing Media : No restrictions. The product is inert, itself doesnot burn, not flammable and incumbustible
6	ACCIDENTAL RELEASE MEASURES	Minimize dusting Caution - May cause a slippery condition when wet. Sweep / Shovel up and transfer into a suitable container for re use or disposal. Ensure adequate ventilation.
7	HANDLING AND STORAGE	Avoid high concentrations of dust in air through the use of ventilations or other suitable controls. Safety Data Sheet provide advice on safe handling practices and information of SDS relate to the protection of Human health, safety and environment
8	EXPOSURE CONTROLS AND PERSONAL PROTECTION	Personal Protective Equipment - Wear ISI approved (or equivalent) air purifying respirator equipped with filters for Protection against dusts and mists. Wear safety glasses. Wear cotton or canvas gloves. Engineering Control Measures - Use local exhaust ventilation, if airborne concentrations exceed recommended exposure limits. Other Control Measures - Use good industrial hygienic practices. Wash hands and face before eating and drinking.
9	PHYSICAL AND CHEMICAL PROPERTIES	Formula : TiO_2 Formula Weight : 79.90 Appearance : White Powder Odour : Odourless PH : Neutral Boiling Point : Not applicable Melting Point : >1000 degree C Specific Gravity : 3.7 – 3.9 Solubility : Insoluble Vapour Density : Heavier than air Vapour Pressure : Not applicable % of Volatile : 0 % Freezing Point : Not applicable Density at 20 degree C : 30-35 lbs/gal.



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PAN : AADCV7723P CIN : U24110TN2011PTC082322

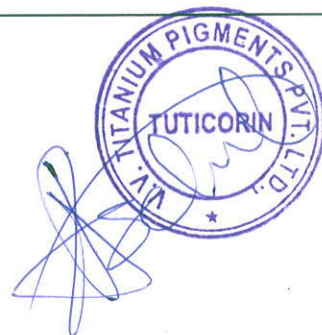
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"ALL CORRESPONDANCE MAY PLEASE BE ADDRESSED TO FACTORY"

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10.	STABILITY AND REACTIVITY	Conditions to avoid- Avoid contact with metals at high temperatures. Hazardous Polymerization - Hazardous Polymerization will not occur. Hazardous Decomposition - Hazardous decomposition will not occur. Stability - This material is stable under normal operating conditions.
11.	TOXICOLOGICAL INFORMATION	Inhalation : Inhalation of dust can cause irritation of the nose, throat & lungs. Inhalative LC ₅₀ /4hrs. (Rat) : >6.8 mg/l Skin contact : This material can cause irritation, if not promptly washed from the skin. Skin Absorption : The product is not expected to be absorbed through intact skin. Ingestion : This material is not expected to produce adverse effects. Effects of Chronic Over Exposure : As with any nuisance dust, long term exposure to concentrations above the recommended exposure limits may overload the lung clearance mechanism and cause adverse lung effects and shortness of breathes. Medical conditions Aggravated : Respiratory disorders.
12.	ECOLOGICAL INFORMATION	Environmental Fate: No information found. Environmental Toxicity : No information found. Fish LC ₅₀ (Leuciscus, 96hrs) : >1000 mg/l The product is practically insoluble in water and not biodegradable.
13.	DISPOSAL CONSIDERATIONS	Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.
14.	TRANSPORT INFORMATION	Titanium Dioxide are not listed as harmful or hazardous products. There are not special requirements in national or international regulations regarding sea, road, railroad or air transportation.
15.	REGULATORY INFORMATION	No labeling is required in accordance with the EC directives. Threshold value in air defined by TRGS 900 (MAK value) : 3mg/m ³ , measured as the alveolar aerosol content. Water pollution class (WGK) : not generally hazardous to water WGK = Classification in accordance with the German Water Resources Act (in accordance with Annex 1 to the Directive on Water-Hazardous Substances) VCI storage class: 13 The chemicals in this product are listed on the USA TSCA Chemical Substances Inventory and the Canadian Domestic Substance List. No dangerous waste in accordance with 2000/532/EC.
16.	PRINCIPAL REFERENCES	All components of this product are listed in the European Inventory of Existing Commercial Chemical Substances (EINECS) under the provisions laid down in the corresponding EEC-Directive 67/548/EEC.



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