

## **1. PRODUCT INFORMATION**

Product name	: Titanium Dioxide - Oil Soluble
INCI	: Titanium dioxide
Country of origin	: United States
Recommended use	: Personal care and cosmetics.
Supplier	: Windy Point Soap Making Supplies Inc.
Address	: 14, 6125-12 <sup>th</sup> Street SE, Calgary, AB T2H 2K1
Telephone	: 587-318-6678
Emergency Telephone	: (800) 225-3924 Canada, USA, Puerto Rico

## **2. HAZARDS IDENTIFICATION**

May cause eye, skin and respiratory tract irritation. May be harmful if inhaled

### **OSHA regulatory status**

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication)

### **HMIS Ratings**

Health 1

Flammability 0

Reactivity 0

### **Routes of exposure**

Inhalation: Eye contact. Skin contact. Inhalation.

### **Eyes**

Dust may cause: mechanical irritation.

### **Skin**

TiO<sub>2</sub> pigments are not irritant but as with all fine powders can absorb moisture and natural oils from the surface of the skin during prolonged exposure.

### **Inhalation**

May cause respiratory tract irritation.

### **Ingestion**

May cause discomfort if swallowed. Target organs - Eyes. Skin. Respiratory system.

### **Chronic effects**

Dust or powder may irritate the respiratory tract, skin and eyes. Frequent inhalation of fume/dust over a long period of time may increase the risk of developing lung diseases although epidemiological studies among titanium dioxide workers could not demonstrate this.

### **Symptoms**

Upper respiratory tract irritation. Coughing. Irritation of eyes and mucous membranes. Skin irritation.

### **Label elements**

USA: Label must comply with OSHA Hazard Communication Standard ((29 CFR 1910. 120

CANADA: Label must state D2A and corresponding WHMIS symbol.

### **3. COMPOSITION / INFORMATION INGREDIENTS**

<b>Substance identification</b>	<b>ID Numbers</b>	<b>%</b>	<b>Classification</b>	<b>Hazard Statements (R/H)</b>
Titanium Dioxide	CAS	13463-67-7	99-100	-
	EINECS	236-675-5	-	-
	INDEX	-	-	-
	REACH	01-2119489379-17-0005	-	-
		01-2119489379-17-0006	-	-
	01-2119489379-17-0018	-	-	
	Color Index	C.I. 77891 Pigment white 6	-	-

#### **Chemical Characterization (Mixture)**

##### **Description**

No mixture

##### **Hazardous components**

None.

### **4. FIRST AID MEASURES**

#### **Description of first aid measures**

##### **General indications**

No hazards which require special first aid measures.

##### **Eye contact**

Wash with water or neutral eyewash solution.

##### **Skin contact**

Wash with soap and water.

##### **Inhalation**

Move to fresh air. Give symptomatic treatment as necessary.

##### **Ingestion**

Do not induce vomiting. Give up to 200 ml water. In case of persistent symptoms, consult a doctor.

##### **Most important symptoms and effects, both acute and delayed**

None.

##### **Indication of any immediate medical attention and special treatment needed**

None.

## **5. FIRE FIGHTING MEASURES**

### **Extinguishing media**

No restrictions

### **Special hazards arising from the substance or mixture**

The product itself does not burn. Product is inert, not flammable and incombustible.

### **Advice for firefighters**

NFPA Ratings: Health 1 - Flammability 0 - Reactivity 0

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Ensure adequate ventilation.

### **Environmental precautions**

Avoid dust dispersion to the environment. Dust may cause the surroundings to become white. Prevent leakages from entering drains and ditches that lead to natural waterways.

### **Methods and materials for containment and cleaning up**

Use any suitable mechanical means (e.g. vacuum, sweeping), but avoid dusting during clean-up.

## **7. HANDLING AND STORAGE**

### **Precautions for safe handling**

Avoid dust formation during handling. Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. In case of insufficient ventilation, wear suitable respiratory equipment.

### **Conditions for safe storage**

Fire Precautions: The product is not flammable

Storage conditions/ packing material: Keep in a dry place.

Incompatible products: No restrictions

## **8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Substance CAS No	Titanium dioxide 13463-67-7		Dust, inhalable		Dust, respirable	
	Limit value – Eight hours mg/m <sup>3</sup>	Limit value - Short term mg/m <sup>3</sup>	Limit value - Eight hours mg/m <sup>3</sup>	Limit value - Short term mg/m <sup>3</sup>	Limit value - Eight hours mg/m <sup>3</sup>	Limit value - Short term mg/m <sup>3</sup>
Austria			10	20	5	10
Belgium	10		10		3	
Canada – Quebec	10					
Denmark	6 total dust	12 total dust	10	20		

## SAFETY DATA SHEET

Date: February 27, 2020

European Union – France	11 inhalable aerosol	<b>10</b>		<b>5 respirable aerosol</b>	
Germany (AGS)		10	20	3	6
Germany (DFG)		4		1,5	
Hungary		10		6	
Italy					
Japan					
Poland	10		30		
Spain	10 inhalable aerosol	10		3	
Sweden	5 inhalable aerosol	10		5	
Switzerland	3 respirable aerosol	10		3	
The Netherlands					
USA - OSHA	15 total dust	15		5	
United Kingdom	10 inhalable aerosol	15		5	
	4 respirable aerosol				

### Remarks

Austria \*STV 15 minutes average value

France \*Bold type: Restrictive statutory limit values

Germany(AGS) \*15 minutes average value, insoluble particulates

Germany(DFG) \*long term exposure level, insoluble particulates

(Source: GESTIS - Internationale Grenzwerte für chemische Substanzen - Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA))

### Exposure controls

#### Engineering measures

Maintain exposures below applicable exposure limits.

#### Personal Protection Equipment

#### Industrial hygiene measures

Keep in clean conditions

#### Respiratory protection

A respirator must be used if the dust concentration is likely to exceed the occupational exposure limit. At higher concentrations wear particle filter DIN EN 143 - P2. or equivalent approved by NIOSH.

#### **Hand protection**

Prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

#### **Eye protection**

The use of an approved dustproof goggles is recommended if the dust concentration is likely to exceed the occupational exposure limit

#### **Skin protection**

TiO<sub>2</sub> pigments are not irritant but as with all fine powders can adsorb moisture and natural oils from the surface of the skin during prolonged exposure. Prolonged exposure should be avoided by wearing suitable protective gloves and clothing.

### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state	: Powder
Colour	: White
Odour:	: None.
Melting point or range	: > 1,800°C
Boiling point or range	: Not applicable.
Flash point	: Not flammable.
Ignition temperature	: Not flammable.
Auto-ignition temperature	: Not flammable.
Oxidizing properties	: None.
Explosive properties	: No danger of explosion.
Explosivity or flammability limit – in air	: Not applicable.
Vapour pressure	: Not applicable.
Density	: Approx. 3.9 g/ml
Solubility	: < 0.01 g/l
pH	: Approx. 8
Partition coefficient	: Not applicable.
Viscosity	: Not applicable.
Bulk density	: Approx. 430 g/l

### **10. STABILITY AND REACTIVITY**

#### **Reactivity**

No special reactivity known.

#### **Chemical stability**

Stable under ordinary conditions of use and storage.

**Possibility of hazardous reactions**

No hazardous reactions known.

**Conditions to avoid**

Stable under normal use conditions.

**Hazardous decomposition products**

None known.

**Incompatible materials**

None.

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

LD50 (rats, oral) > 10,000 mg/kg

Inhalative LC50 /4 hrs (Rat): > 6.8 mg/l

**Irritation/corrosion**

Titanium dioxide is not irritating.

**Sensitization**

No sensation known.

**Carcinogenicity**

Suspecting that long term inhalation of TiO<sub>2</sub> dust may be a reason of causing cancer, IARC has classified TiO<sub>2</sub> in 2006 as "possibly carcinogenic" to humans (Group 2B). Unless tumors produced in rats on inhalation of very high concentrations of titanium dioxide are believed to be the result of prolonged "lung overload" and probably not relevant to man. Two major epidemiology studies among titanium dioxide workers in the US and in EUROPE could not demonstrate an elevated lung cancer risk. Non genotoxic.

**12. ECOLOGICAL INFORMATION**

**Toxicity**

**Aquatic toxicity**

Fish LC0 (Leuciscus idus, 48h): > 1000 mg/l

**Persistence and degradability**

Methods for the determination of biodegradability are not applicable to inorganic substances.

**Bioaccumulative potential**

The product is practically insoluble in water and not biodegradable.

**Mobility in soil**

No data.

### **Results of PBT and vPvB assessment**

According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances. Titanium Dioxide is an inorganic substance, thus a PBT and vPvB assessment is not required.

## **13. DISPOSAL CONSIDERATION**

### **Waste treatment methods**

No hazardous waste according to European Directive 2000/532/EC. Place in an appropriate disposal facility in compliance with local and national regulations.

### **Contaminated packaging**

Containers that cannot be cleaned must be treated as waste and disposed of in an approved industrial incineration facility. The empty and clean containers may be reused in conformity with regulations.

### **Cleanser**

Water.

## **14. TRANSPORT INFORMATION**

### **UN number**

The product is not classified as a hazardous material according to the DOT, ADR/RID, IMDG, IATA on the transport of dangerous or hazardous goods.

### **UN proper shipping name**

-

### **Transport hazard class(es)**

-

### **Packing group**

-

### **Environmental hazards**

-

### **Special precautions for user**

-

### **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

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## **15. REGULATORY INFORMATION**

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **National Regulations**

OSHA: This product is considered hazardous under the OSHA Hazard Communication Standard ((29 CFR 1910.1200).

SARA Title III Sec. 302/303 (Extremely Hazardous Substances): Not listed

SARA Title III Sec. 311/312 (40 CFR 370) Hazard Category: None

SARA Title III Sec. 313 (Toxic Chemicals Emissions Reporting): Not listed

CERCLA Hazardous Substance (40 CFR Part 302): Not listed

California Proposition 65: WARNING I This product contains a chemical known to the State of California to cause cancer: Titanium Dioxide (airborne, unbound particles of respirable size) The listing does not cover Titanium Dioxide when it remains bound within a product matrix.

Canada (WHMIS) This product has been classified as D2A controlled product under WHMIS. The listing does not cover titanium dioxide when it is inextricably bound within a product.

EINECS: (European Inventory of Existing Commercial Chemical Substances) 236-675-5

ELINCS: (European List of Notified Chemical Substances) Not listed

TSCA: (Toxic Substances Control Act (EPA-Inventory) 13463-67-7

AICS: (Australian Inventory of Chemical Substances) 13463-67-7

DSL: (Canadian Domestic Substances List) 13463-67-7

NDSL: (Canadian Non-Domestic Substances List) Not listed

KECI: (Korean Existing Chemicals Inventory) KE-33900

PICCS: (Philippine Inventory of Chemicals and Chemical Substances) 522 5600

BAGT: (Giftliste des BA für Abfall und Gesundheitswesen der Schweiz G 2950

METI: (Ministry of Economy, Trade and Industry - Japan) 1-558

SEPA: (State Environmental Protection Administration - China) 13463-67-7

### **Chemical safety assessment**

The substance has undergone a safety assessment.

## **16. OTHER INFORMATION**

### **DISCLAIMER AND CAUTION**

Please refer to all relevant technical information specific to the product, prior to use. The information contained in this document is obtained from current and reliable sources. Windy Point Soap Making Supplies Inc. provides the information contained herein but makes no representation as to its comprehensiveness or accuracy. Individuals receiving this information must exercise their independent judgment in determining its appropriateness for a particular purpose. The user of the product is solely responsible for compliance with all laws and regulations applying to the use of the products, including intellectual property rights of third parties. As the ordinary or otherwise use(s) of this product is outside the control of Windy Point Soap Making Supplies Inc., no representation or warranty, expressed or implied, is made as to the effect(s) of such use(s), (including damage or injury), or the results obtained. The liability of Windy Point Soap Making Supplies Inc. is limited to the value of the goods and does not include any consequential loss. Windy Point Soap Making Supplies Inc. shall not be liable for any errors or delays in the content, or for any actions taken in reliance thereon. Windy Point Soap Making Supplies Inc. shall not be responsible for any damages resulting from use of or reliance upon this information. In the event of any dispute, the Customer hereby agree that Jurisdiction is limited to the province of Alberta.