



**GENENPLEX SDN BHD** (1351957-X)  
1-3-22 Ideal Avenue, Jalan Tun Dr Awang, 11900, Bayan Baru, Pulau Pinang  
Malaysia

## MSDS REPORT

### SmartCoat

#### 1. Product and Company Identification

Product name : SmartCoat  
Company name : Genenplex Sdn Bhd  
Address : 1-3-22, Ideal Avenue, Jalan Tun Dr Awang, 11900, Bayan Baru, Penang,  
Malaysia  
Telephone : 006-04-6410168  
Email : gopalsiv74@gmail.com  
Emergency call : 012-4520447

#### 2. Composition

TiO<sub>2</sub>: Titanium Dioxide (0.2 wt %) with proprietary ingredients  
CAS No: NA

#### 3. Hazard Identification

##### Potential chronic health effect

Repeated and prolonged exposure may cause irritation to skin, eyes, and respiratory and may affect lung.

##### Danger information

Safety : Stable under normal condition

Reactivity : no hazardous material

##### Balefulness information

Acute toxicity : None

Balefulness : None

Environmental influence : None

##### Physical and chemical danger

Stable under normal handling situations



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**GENENPLEX**

#### **Potential Health Effect**

**Skin contact** : May cause mild irritation, possible redness.

**Eye contact** : May cause mild irritation, possible reddening.

**Inhalation** : May cause mild irritation to the respiratory skin

**Ingestion** : May cause health hazard via ingestion.

**Swallowed** : Harmful if swallowed

**Chronic exposure:** Long-term exposure to titanium dioxide dust may result in mild fibrosis (scarring of the lungs)

**Aggravation of pre-existing conditions:** Person with pre-existing lung disease may be more susceptible to the effect of this substance.

#### **4. First Aid Measures**

##### **General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance.

##### **If inhaled**

If breathed in, move person into fresh air. Clean nose with water and gargle to dean throat by clean water. If not breathing, give artificial respiration. Get medical attention for any breathing difficulty.

##### **In case of skin contact**

Wash off with soap and plenty of water. Get medical attention if irritation develops.

##### **In case of eye contact**

Flush eyes with water as a precaution. Get medical attention if irritation persists.

##### **If swallowed**

Do NOT induce vomiting. Rinse mouth with water. Gargle with clean water and drink clean water. Never give anything by mouth to an unconscious person. Get medical advice if symptoms appear.

#### **5. Fire**

Flammability : None



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## **6. Accidental Release Measures**

### **Personal precautions**

No particular treatment. Use personal protective equipment. Avoid breathing vapors. Ensure adequate ventilation.

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Ventilate area of leak or spill. Wash out with water.

## **7. Handling and Storage**

### **Precautions for safe handling**

Avoid contact with skin and eye

### **Conditions for safe storage**

Keep in a tightly closed container, stored in a cool, dry ventilated area, and avoid direct sunlight and rainwater. Store under sheltered and temperature should not exceed 35 °C.

## **8. Attention when disposing the product**

No particular treatment needed

## **9. Protection measures/Personal protection**

Tools for protection : When it is scattered in the form of a mist during application of the product, it is desirable to wear a gauze mask and protective glasses for protection.

Protective clothes : Advisable for service provider

Protective gloves : Advisable for service provider

### **Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands

### **Skin and body protection:**

Wear protective gloves and clean body-covering clothing.

### **Eye protection:**

Use chemical safety goggles and/or full-face shield where dusting or splashing of solution is possible. Maintain eye wash fountain and quick-drench facilities in work area.



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### **Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

## **10. Physical and chemical properties**

### **Appearance**

Appearance : Liquid

Color : Colorless

### **Safety data**

Boiling point : 100 °C

Melting point : not available

Specific gravity : 1.0 (at 20 degrees Celsius)

Solubility : It will coagulate if water is used

Ignition temperature : no data available

## **11. Stability and Reactivity**

### **Chemical stability**

Stable under recommended storage conditions.

### **Materials to avoid**

Reaction may also occur with bare metals such as aluminum, calcium, magnesium, potassium, sodium, zinc as well as lithium.

### **Hazardous Decomposition Products**

No information found.

### **Hazardous polymerization**

Will not occur.

## **12. Toxicological Information**

### **Toxicological Data:**

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigenic and mutagen.



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**Carcinogenicity:**

NIOSH considers TiO<sub>2</sub> to be a potential occupational carcinogen if it is in powder form.

**13. Ecological Information**

No negative effects are known.

**14. Transport Information**

No Hazardous

**15. Other Information**

**Label Hazard Warning:**

CAUTION! REPEATED AND PROLONGED EXPOSURE MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY AFFECT LUNGS.

**Label Precautions:**

- Avoid contact with eyes and skin.
- Washing thoroughly after handling.
- Avoid breathing mist.
- Keep container closed.
- Use with adequate ventilation.

**Label First Aid:**

In case of contact, flush eyes or skin with clean water. Get medical attention if irritation develops or persists. If inhaled, remove to fresh air. Get medical attention for any breathing difficulty.

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