

Product Name <b>Candy Chalkboard Paint</b>		Code	
<b>1. Identification of the Product</b>			
Identification of the Product		Water-based Chalkboard Paint	
Company Identification		Candy Paint Asia 1/F., 18, Jalan SS21/35, Damansara Utama, Petaling Jaya, 47400 Tel : +60 18 6388 269 Tel : +60 3 7960-3785	
<b>2. Composition / Information on Ingredients</b>			
	CAS Number	EINECS Number	%
Titanium Dioxide	13463-67-7	215-280-1	40%
Water	7732-18-5	231-791-2	20%
Methyl Methacrylate	80-62-6	201-297-1	13%
Talc	14807-96-6	238-877-9	10%
Butyl Acrylate	141-32-2	205-480-7	9%
Color Pigment	1333-86-4	215-609-9	7.88%
Benzyl Alcohol	100-51-6	202-859-9	0.06%
Propane-1, 2-diol	57-55-6	200-338-0	0.04%
Amonia	1336-21-6	215-647-6	0.02%
<b>3. Hazards Identification</b>			
This substance is considered			
- Skin Contact	Not expected to present a significant skin hazards under anticipated conditions of normal use.		
- Eye Contact	Not expected to present a significant skin hazards under anticipated conditions of normal use.		
- Ingestion	Not expected to present a significant eye hazards under anticipated conditions of normal use.		
	Not expected to present a significant ingestion hazards under anticipated conditions of normal use.		
<b>4. Emergency and first aid measures</b>			
General advice			
- Inhaled Exposure	Remove to fresh air		
- Skin Exposure	Wash with warm water and mild soap. If irritation occurs, obtain medical advice immediately		
- Eyes Exposure	Holding eyelids open, do not allow victim to rub their eyes.		

<p>- Oral Exposure</p>	<p>Gently flush eyes for 10 minutes with large quantities of water. Seek medical advice, if irritation develops or persists.</p> <p>Never give anything by mouth to an unconscious person. Get medical aid immediately. Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 8 to 10 ounces (240 to 300 ml) of water to dilute material in stomach. Obtain medical advice immediately.</p>
<p><b>5. Fire-Fighting Measures</b></p>	
<p>Fire</p>	<p>Non-flammable. Not considered to be a fire hazard</p>
<p>Explosion</p>	<p>Not considered to be an explosion hazard</p>
<p>Extinguishing media</p>	<p>Water spray, dry chemical, carbon dioxide, regular foam</p>
<p>Special exposure hazards</p>	<p>None</p>
<p>Hazardous combustion products</p>	<p>Wear proper protective equipment</p>
<p>Protection against fire</p>	<p>Not applicable</p>
<p>Extinguishing media</p>	<p>Water spray, Dry chemical, Carbon dioxide or appropriate foam</p>
<p>Firefighting, Protective equipment</p>	<p>Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.</p>
<p><b>6. Accidental release measures</b></p>	
<p>Personal precautions</p>	<p>Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation.</p>
<p>Methods of Cleaning up</p>	<p>Mix with inert material (e.g. dry sand, vermiculite) and transfer to sealed container for disposal. Avoid raising dust,. Ventilate area and wash spill site after material pickup is complete.</p>
<p>Environmental precautions</p>	<p>Comply with local regulations for container disposal. Notify authorities if product enters sewers or public waters.</p>
<p>After spillage / leakage</p>	<p>Sweep or shovel spills into appropriate container for disposal. Spill area can be washed with water. Collect wash water for approved disposal.</p>
<p><b>7. Handling and Storage</b></p>	
<p>Storage</p>	<p>Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.</p>
<p>Handling</p>	<p>Incompatible : oxidizing agents, bases, acids, reducing agents and foods. Store in closed containers in a dry place separate from incompatible materials and other colors of the chalk. Keep away from heat and humid storage area.</p>

Disposal	<p>Avoid all unnecessary exposure. Handle in accordance with good industrial hygiene and safety procedures.</p> <p>From a waste perspective, this product is not considered hazardous and may be disposed of as solid waste in accordance with applicable federal, state, provincial, and local regulations.</p>
<b>8. Exposure Controls / Personal Protection</b>	
Personal protection - Respiratory protection  - Skin protection  - Eyes / Face protection  - Ingestion  - Industrial hygiene	<p>Approved dust or mist respirator should be used if airborne particulate is generated when handling this material.</p> <p>When repeated or prolonged contact with hands is likely, appropriate gloves should be used.</p> <p>Appropriate eye protection should be worn. Maintain eye wash fountain and quick-drench facilities in work area.</p> <p>When using, do not eat, drink or smoke.</p> <ul style="list-style-type: none"> <li>• Do not eat, drink, smoke, or perform other hand-to-mouth activities in product use or handling area.</li> <li>• Wash thoroughly after handling this product.</li> </ul>
<b>9. Physical and Chemical Properties</b>	
Appearance and physical state Color Odour Melting point / range [°C] Boiling point / range [°C] Vapour Pressure Vapour Density (AIR-1) Solubility in water (% w/w)  Viscosity Non-volatile matter Flash point [°C]	<p>Round shape Chalk (10.5mm, 9.5mm)          White, Blue, Red, Yellow          Tallow-like (slight)          46 °C          100°C          Not applicable          Not applicable          Insoluble in cold water, hydrochloric acid, nitric acid, diluted sulfuric acid, organic solvents. Soluble in hot concentrated sulfuric acid, hydrofluoric acid, alkali.          Not applicable          Not applicable          Not applicable</p>
<b>10. Stability and reactivity</b>	
Stability	Stable under ordinary conditions of use and storage
Hazardous decomposition products	Thermal decomposition of dustless chalk beginning at 46 °C will turn into liquid form
Materials to avoid	Water (H <sub>2</sub> O) as it will dissolve into liquid at room temperature
Conditions to avoid	Incompatible materials and excessive temperatures & humidity
Special Remarks on Reactivity	Reaction of titanium dioxide and lithium occurs around 200°C with a flash of light; the temperature can reach 900°C.

	A violent or incandescent reaction with metals (aluminum, calcium, magnesium, potassium, sodium, zinc, and lithium) may occur at high temperatures.
Special Remarks on Corrosivity	Not available.
Polymerization	Will not occur
<b>11. Toxicological Information</b>	
Toxicity to Animals	Acute oral toxicity (LD50): 4640 mg/kg [Rat]. Acute dermal toxicity (LD50): >5000 mg/kg [Rabbit]
Chronic Effects on Humans	CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. May cause damage to the following organs: lungs, upper respiratory tract.
Other Toxic Effects on Humans	Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Possible carcinogen (tomogram) based on animal data. No human data found at this time and IARC so far has found inadequate evidence for carcinogenicity in humans.
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: Skin exposure to titanium dioxide is virtually harmless. It is reported to be a mild irritant and may cause mechanical irritation (irritation from frictional action). It is believed not to be absorbed through intact skin. Eyes: Dust may cause mechanical irritation (irritation from frictional action), Ingestion: May cause gastrointestinal (digestive) tract irritation with nausea, vomiting and diarrhea. It is not absorbed following ingestion. No hazard is expected in normal industrial use. Inhalation: Nuisance dust. May be harmful if inhaled. Causes respiratory tract irritation. May affect respiration and blood.
<b>12. Ecological Information</b>	
Ecotoxicity	Not available
BOD5 and COD	Not available
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation	Not available

**13. Disposal considerations**

Waste Disposal

From a waste perspective, this product is not considered hazardous. This product may be shipped in plastic or paper bags and plastic or steel pails. All residual material should be emptied and the containers must be disposed of in accordance with your country regulations.

**14. Transport information**

Hazards Identification

None

Suggestion according to IATA DGR

The substance is not subject to IATA DGR

Packaging Requirements

The goods are packaged according to the packaging requirement of ordinary goods

Determination of Explosives

The substance is not subject to explosive hazard

Determination of Flammability

In the closed-cup flash point test, fp &gt; 70°C, so the substance does not belong to flammable liquid.

Determination of Oxidizing Substances

The substance does not belong to oxidizing substances

Determination of Toxic &amp; Infectious Substances

The substance does not belong to toxic &amp; infection substances

Determination of Corrosives

The substance does not belong to corrosives

Determination of other Dangerous Properties

The substance is slightly irritant to eyes and skin, should avoid eyes and skin contact

**15. Regulatory information**

Symbol(s)

None

R Phrase(s)

R43 May cause sensitization by skin contact

S Phrase(s)

S22 Do not breathe dust  
S24 Avoid contact with skin  
S25 Avoid contact with eye

National Fire Protection Association (U.S.A.)

Health: 1  
Flammability: 0  
Reactivity: 0

HMIS (U.S.A.)

Health Hazard: 1  
Fire Hazard: 1  
Reactivity: 0  
Personal Protection: E

Federal and State Regulations

Illinois toxic substances disclosure to employee act: Titanium dioxide Rhode Island RTK hazardous substances: Titanium dioxide Pennsylvania RTK: Titanium dioxide Minnesota: Titanium dioxide Massachusetts RTK: Titanium dioxide New Jersey:  
Titanium dioxide TSCA 8(b) inventory: Titanium dioxide

**16. Other information**

Recommended uses and restrictions	None
References	Not available
Last Updated	18th Jan., 2014 11:00

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