



## SAFETY DATA SHEET (SDS)

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### PROUDCT IDENTIFICATION:

**Product Name:** MICROSPEC EGGSHELL WHITE BASE  
**Product Number:** MS8400  
**Product Use:** Water-thinned Paint

#### MANUFACTURER:

O'Leary Paint Company  
415 Baker Street  
Lansing, Michigan 48910  
www.olearypaint.com  
**Manufacturer's Phone:** (517) 482-0473  
**Emergency (24-hour) Phone:** (800) 424-9300

**Date of preparation:** May 26, 2016

### 2. HAZARDS IDENTIFICATION

**Primary Routes of Exposure:** Eye contact, Skin contact, Inhalation, Ingestion

#### Potential Acute Exposure Effects:

**Eyes:** May cause slight irritation  
**Skin:** May cause mild irritation  
**Inhalation:** May cause irritation of respiratory tract  
**Ingestion:** May be harmful if swallowed

#### Overexposure signs/symptoms:

**Eyes:** Watering, redness or irritation  
**Skin:** Irritation, dryness  
**Inhalation:** Respiratory tract irritation, coughing  
**Ingestion:** No specific data

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>REPORTABLE COMPONENTS</u>	<u>CAS NUMBER</u>	<u>% by WEIGHT</u>
Titanium Dioxide	13463-67-7	15-20
Ethylene Glycol	107-21-1	0-2
Limestone	1317-65-3	10-15
Clay (Kaolin)	92704-41-1	0-5

### 4. FIRST AID MEASURES

- Eyes:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.
- Skin:** Remove contaminated clothing. Wash thoroughly with soap and water.
- Inhalation:** Move to fresh air. Seek medical attention if symptoms continue.
- Ingestion:** Do not induce vomiting. Get medical attention immediately.

### 5. FIRE FIGHTING MEASURES

- Flammable Properties:** This product is not flammable
- Extinguishing Media:** Use foam, carbon dioxide, dry powder, water fog, or an extinguishing agent appropriate for the surrounding fire.
- Unusual Fire and Explosion Hazards:** Closed containers may rupture or explode when exposed to extreme heat (due to build-up of pressure). Closed containers may explode when exposed to extreme heat. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.
- Protective Equipment:** Firefighters should wear self-contained breathing apparatus and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Prevent further leakage or spillage. Soak up with inert absorbent material and transfer to a suitable container for proper disposal.

### 7. HANDLING AND STORAGE

- Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapors, spray mists or sanding dust. Provide adequate ventilation. Wear appropriate respiratory equipment if ventilation is inadequate. Wash thoroughly after handling.
- Storage:** Keep container closed when not in use. Transfer only to properly labeled containers. Keep out of reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	<b>OSHA TWA</b>	<b>ACGIH TWA</b>	<b>OSHA STEL</b>
Titanium Dioxide (d)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	not established
Ethylene Glycol	50 ppm	100 mg/m <sup>3</sup>	not established
Clay (Kaolin) (d)	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	not established
Limestone (d)	15 mg/m <sup>3</sup>	10mg/m <sup>3</sup>	not established

(d): Hazardous as dust when product is sanded

**Engineering Measures:** Use only in well ventilated areas. Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment:**

**Eye / Face Protection:** Wear safety glasses or goggles.

**Skin Protection:** Protective gloves and impervious clothing.

**Respiratory Protection:** If exposure cannot be controlled below acceptable limits by ventilation, use an appropriate NIOSH approved respirator such as an air purifying respirator with organic vapor cartridge and dust/mist filter. Consult the respirator manufacturer's literature to ensure that the respirator will provide adequate protection. Read and follow all manufacturers' instructions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Various
<b>Odor:</b>	Little or no odor
<b>Vapor pressure:</b>	Not available
<b>Odor threshold:</b>	Not available
<b>Vapor density:</b>	Not available
<b>pH:</b>	8 to 10
<b>Density:</b>	11.06 (lbs / gal)
<b>Viscosity:</b>	94 - 98 KU
<b>Melting/freezing point:</b>	Not available
<b>Solubility (water):</b>	Not available
<b>Boiling point / range:</b>	Not available
<b>Flash point:</b>	Not available
<b>Evaporation rate:</b>	< 1 (butyl acetate = 1.0)
<b>Upper flammability limit:</b>	Not available
<b>Lower flammability limit:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available
<b>Decomposition temperature:</b>	Not available

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to avoid:</b>	None known.
<b>Materials to avoid:</b>	Strong oxidizing agents and strong acids.
<b>Hazardous Decomposition Products:</b>	None under normal use.
<b>Hazardous Polymerization:</b>	None under normal conditions.

## 11. TOXICOLOGICAL INFORMATION

### Acute effects:

Titanium Dioxide:	Oral LD50 (rat): >10,000 mg/kg
	Dermal LD50 (rabbit): >10,000 mg/kg
	Inhalation LC50 / 4 hour (rat): >6.8 mg/l

In February 2006, IARC concluded. "There is inadequate evidence in humans for the carcinogenicity of titanium dioxide." IARC's Monograph 93 reports there is sufficient evidence of carcinogenicity in rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans. It is an IARC Group 2B listed material. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint".

### Information on toxicological effects

#### Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Ethylene Glycol	LD50 Oral	Rat	4700 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Titanium Dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent	-
Ethylene Glycol	Eyes – Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes – Mild irritant	Rabbit	-	1 hour 100 milligrams	-
	Eyes – Mild irritant	Rabbit	-	6 hours 1440 milligrams	-
	Skin – Mild irritant	Rabbit	-	555 milligrams	-

#### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
Ethylene Glycol	Category 2	Not determined	Not determined

## 12. ECOLOGICAL INFORMATION

### Toxicity

Product / ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute LC50 >1000000 µg/l Marine water	Fish - Fundulus heteroclitus	96 hours
Ethylene Glycol	Acute LC50 6900000 µg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 41000000 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 8050000 µg/l Fresh water	Fish - Pimephales promelas	96 hours

## 13. DISPOSAL CONSIDERATIONS

**Disposal Instructions:** Do not allow material to drain into sewers/water supplies. Dispose of in accordance with all federal, state and local regulations. Consider recycling.

## 14. TRANSPORT INFORMATION CONSIDERATIONS

Not regulated

## 15. REGULATORY INFORMATION

### California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 16. OTHER INFORMATION

### Hazardous Material Identification System (USA)

Health: 1

Flammability: 0

Physical Hazard: 0

**Prepared by:** O'Leary Paint Technical & Compliance Department

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