SAFETY DATA SHEET (SDS)

1. PRODUCT AND COMPANY IDENTIFICATION

PROUDCT IDENTIFICATION:

Product Name: CERAMIC COAT MID-BASE

Product Number: 1410

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: April 20, 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

REPORTABLE COMPONENTS	CAS NUMBER	% by WEIGHT
Titanium Dioxide	13463-67-7	10-15
Ethylene Glycol	107-21-1	0-2
Ceramic Microsphere	66402-68-4	10-15
Silica Gel	7631-86-9	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

	OSHA TWA	ACGIH TWA	OSHA STEL
Titanium Dioxide (d)	15 mg/m3	10 mg/m3	not established
Ethylene Glycol	50 ppm	100 mg/m3	not established
Ceramic Microsphere (d)	10 mg/m3	10 mg/m3	not established
Silica Gel (d)	3 mg/m3	10mg/m3	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

Physical state: Liquid
Color: Various
Odor: Little or no odor
Vapor pressure: Not available
Odor threshold: Not available
Vapor density: Not available
pH: 8 to 10
Density: 10.56 (lbs / gal)
Viscosity: 102-105 KU
Melting/freezing point: Not available
Solubility (water): Not available
Boiling point / range: Not available
Flash point: Not available
Evaporation rate: < 1 (butyl acetate = 1.0)
Upper flammability limit: Not available
Lower flammability limit: Not available
Auto-ignition temperature: Not available
Decomposition temperature: Not available

10. STABILITY AND REACTIVITY

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