



SAFETY DATA SHEET (SDS)

1. PRODUCT AND COMPANY IDENTIFICATION

PROUDCT IDENTIFICATION:

Product Name: CERAMIC COAT EGGSHELL MID-BASE
Product Number: 1610
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

| <u>REPORTABLE COMPONENTS</u> | <u>CAS NUMBER</u> | <u>% by WEIGHT</u> |
|------------------------------|-------------------|--------------------|
| Titanium Dioxide | 13463-67-7 | 10-15 |
| Ethylene Glycol | 107-21-1 | 0-2 |
| Ceramic Microsphere | 66402-68-4 | 0-5 |
| 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/m ³ | 10 mg/m ³ | not established |
| Ethylene Glycol | 50 ppm | 100 mg/m ³ | not established |
| Ceramic Microsphere (d) | 10 mg/m ³ | 10 mg/m ³ | not established |
| Silica Gel (d) | 3 mg/m ³ | 10mg/m ³ | 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: | 10.08 (lbs / gal) |
| Viscosity: | 100-104 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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