

MATERIAL SAFETY DATA SHEET



SECTION 1 - PRODUCT AND COMPANY INFORMATION

PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272

EMERGENCY PHONE NUMBERS (412) 434-4515 (U.S.)
(24 hours/day):

(514) 645-1320 (Canada)
01-800-00-21-400 (Mexico)
0532-83889090 (China)

TECHNICAL INFORMATION:
PRODUCT SAFETY/MSDS INFORMATION: (412) 492-5555 7:00 a.m. - 4:30 p.m. EST
Product ID: 72403 (0822)
PRODUCT NAME: OLYMPIC PREM INT EGGSHELL
SYNONYMS: None
ISSUE DATE: 09/17/2008
EDITION NO.: 20
CHEMICAL FAMILY: Polyvinyl Acetate

EMERGENCY OVERVIEW:
CAUSES EYE IRRITATION. MAY CAUSE SLIGHT SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED. This product is not expected to present any unusual hazards under fire or spill conditions. Read entire MSDS before use.

SECTION 2 - COMPOSITION INFORMATION

The following ingredient(s) marked with an "x" are considered hazardous under applicable U.S. OSHA and/or Canadian WHMIS regulations. If no ingredients are listed, then there are no U.S. OSHA and/or Canadian WHMIS hazardous ingredients in this product.

Table with 3 columns: Material/CAS Number, Percent, Hazardous. Rows include TITANIUM DIOXIDE, CALCIUM CARBONATE, and ALUMINUM SILICATE.

SECTION 3 - HAZARDS IDENTIFICATION

ACUTE OVEREXPOSURE EFFECTS

EYE CONTACT: Causes eye irritation. Redness, itching, burning sensation and visual disturbances may indicate excessive eye contact.
SKIN CONTACT: May cause slight skin irritation. Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.
SKIN ABSORPTION: Skin absorption not expected to occur.
INHALATION: None known.
INGESTION: May be harmful if swallowed.
SIGNS & SYMPTOMS OF OVEREXPOSURE: Dryness, itching, cracking, burning, redness, and swelling are conditions associated with excessive skin contact.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

CHRONIC OVEREXPOSURE EFFECTS
Avoid long-term and repeated contact.

The effects of long-term, low level exposures to this product have not been determined. Safe handling of this material on a long-term basis should emphasize the prevention of all contact with this material to avoid any effects from repetitive acute exposures. See Section 11, of this MSDS for a detailed list of chronic health effects information available on individual ingredients in this product.

SECTION 4 - FIRST AID MEASURES

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Material Safety Data Sheet information available.
EYE CONTACT: Remove contact lens and pour a gentle stream of warm water through the affected eye for at least 15 minutes.
SKIN CONTACT: Run a gentle stream of water over the affected area for 15 minutes.
INHALATION: Remove from area to fresh air.
INGESTION: Gently wipe or rinse the inside of the mouth with water.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
FLASHPOINT: >200 Degrees F (> 93 Degrees C)
FLASHPOINT TEST METHOD: Pensky-Martens Closed Cup
UEL: Not Available.
LEL: Not Available.
AUTOIGNITION TEMPERATURE: Not Available.
EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical or universal aqueous film forming foam) designed to extinguish NFPA Class IIIB combustible liquid fires.
PROTECTION OF FIREFIGHTERS: Water spray may be ineffective.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers may explode or burst (due to the build-up of steam pressure) when exposed to extreme heat.

SECTION 6 - ACCIDENTAL RELEASE MEASURE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Provide maximum ventilation. Only personnel equipped with proper respiratory, skin, and eye protection should be permitted in the area. Remove all sources of ignition. Take up spilled material with sand, vermiculite, or other noncombustible absorbent material and place in clean, empty containers for disposal.

**SECTION 7 - HANDLING AND STORAGE**

**PRECAUTIONS TO BE TAKEN DURING HANDLING AND STORAGE:**

If this material is part of a multiple component system, read the Material Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

**STORAGE:**

Protect from freezing.

**SECTION 8 - EXPOSURE CONTROLS & PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 8 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

**PERSONAL PROTECTIVE EQUIPMENT**

**EYES:**

Wear safety glasses with side shields.

**SKIN/GLOVES:**

Wear protective clothing. Gloves should be constructed of: neoprene rubber or nitrile rubber. No specific permeation/degradation testing have been done on protective clothing for this product. Recommendations for skin protection are based on infrequent contact with this product. For frequent contact or total immersion, contact a manufacturer of protective clothing for appropriate chemical impervious equipment. Clean contaminated clothing and shoes.

**RESPIRATOR:**

Where ventilation is inadequate, use a NIOSH- approved air purifying respirator with the appropriate chemical cartridges or positive- pressure, air-supplied respirator. Read the respirator manufacturer's instructions and literature carefully to determine the type of airborne contaminants against which the respirator is effective, its limitations, and how it is to be properly fitted and used. Provide general dilution or local exhaust ventilation in volume and pattern to keep the concentration of ingredients listed in Section 2 below the lowest suggested exposure limits, the LEL below the stated limit, and to remove decomposition products during welding or flame cutting.

**GENERAL HYGIENE - ESTABLISHED EXPOSURE LIMITS**

If Threshold Limit Values (TLVs) have been established by ACGIH, OSHA, Ontario or PPG, they will be listed below. These limits are intended for use in the practice of industrial hygiene as guidelines or recommendations in the control of potential workplace health hazards. These limits are not a relative index of toxicity and should not be used by anyone without industrial hygiene training.

Material/ CAS Number	Percent	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
TITANIUM DIOXIDE 13463-67-7	5 - 10	10 mg/m <sup>3</sup>	Not established	10 mg/m <sup>3</sup>	Not established
CALCIUM CARBONATE 1317-65-3	5 - 10	Not established	Not established	R- 5 mg/m <sup>3</sup>	Not established
ALUMINUM SILICATE 1332-58-7	1 - 5	R- 2 MG/m <sup>3</sup>	Not established	R- 5 mg/m <sup>3</sup>	Not established

Material/ CAS Number	Percent	Ontario TWA	Ontario STEL	PPG IPEL	PPG STEL
TITANIUM DIOXIDE 13463-67-7	5 - 10	10 MG/m <sup>3</sup>	Not established	Not established	Not established
CALCIUM CARBONATE 1317-65-3	5 - 10	10 MG/m <sup>3</sup>	Not established	Not established	Not established
ALUMINUM SILICATE 1332-58-7	1 - 5	R- 2 MG/m <sup>3</sup>	Not established	Not established	Not established

**Key:** ACGIH=American Conference of Governmental Industrial Hygienists; OSHA=Occupational Safety and Health Administration; TLV=Threshold Limit Value; TWA=Time Weighted Average; PEL=Permissible Exposure Limit (1989 Vacated values); IPEL=Internal Permissible Exposure Limit; Ceiling=TLV or PEL Ceiling Limit; STEL=TLV or PEL Short-Term Exposure Limit; Skin= Skin Absorption Designation. [C- Ceiling Limit; S-Potential Skin Absorption; R-Respirable Dust] **Additional Information** Not applicable.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES  
(FORMULA VALUES, NOT SALES SPECIFICATIONS)**

<b>SPECIFIC GRAVITY:</b>	1.190
<b>PHYSICAL STATE:</b>	Liquid
<b>Percent Solids:</b>	38.01
<b>Percent Volatile by Volume:</b>	73.750
<b>pH:</b>	Not available.
<b>ODOR THRESHOLD:</b>	Not available.
<b>Vapour Pressure:</b>	17.5 mmHg
<b>ODOR/APPEARANCE:</b>	Viscous liquid with an odor characteristic of the chemical family and any solvents listed in Section 2.
<b>VAPOR DENSITY:</b>	HEAVIER THAN AIR
<b>Evaporation Rate:</b>	36
<b>BOILING POINT OR RANGE:</b>	212 - 491Degrees F
<b>Freezing Point or Range:</b>	Not Applicable.
<b>Melting Point or Range(°C):</b>	Not Applicable.
<b>Partition coefficient (n-octanol/water):</b>	Not Applicable.
<b>WEIGHT PER GALLON:</b>	9.92 (U.S.) / 11.9 (IMPERIAL)

**SECTION 10 - STABILITY AND REACTIVITY**

**STABILITY:**  
This product is normally stable and will not undergo hazardous reactions.

**CONDITIONS TO AVOID:**  
None Known.

**INCOMPATIBLE MATERIALS:**  
Avoid contact with strong alkalis, strong mineral acids, or strong oxidizing agents.

**HAZARDOUS POLYMERIZATION:**  
None Known.

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
- Carbon monoxide - Carbon dioxide - Oxides of aluminum - Lower molecular weight polymer fractions

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY**

Material/ CAS Number	Percent	ORAL LD50 (g/kg)	DERMAL LD50 (g/kg)	INHALATION LC50 (mg/l)
TITANIUM DIOXIDE 13463-67-7	5 - 10	10.00 g/kg	Not Available	Not Available

**CHRONIC TOXICITY**

**Ingredient Target Organ/Chronic Effects:**  
- Carcinogen - Lung

**Mutagenicity Toxicity:**

This has not been tested for this product.

**Reproductive Toxicity:**

This has not been tested for this product.

**SUPPLEMENTAL HEALTH INFORMATION:**

Material/ CAS Number	Percent	Ingredient Specific Animal Data:
TITANIUM DIOXIDE 13463-67-7	5 - 10	This product contains titanium dioxide. Animals inhaling massive quantities of titanium dioxide dust in a long-term study developed lung tumors. Studies with humans involved in manufacture of this pigment indicate no increased risk of cancer from exposure.

Material/ CAS Number	Percent	CERCLA HS - RQ (LBS)	SARA EHS- TPQ (LBS)	SARA 313
TITANIUM DIOXIDE 13463-67-7	5 - 10	Not Listed	Not Listed	Not Listed
CALCIUM CARBONATE 1317-65-3	5 - 10	Not Listed	Not Listed	Not Listed
ALUMINUM SILICATE 1332-58-7	1 - 5	Not Listed	Not Listed	Not Listed

#### SECTION 12 - ECOLOGICAL INFORMATION

##### POTENTIAL ENVIRONMENTAL EFFECTS

Ecotoxicity: No Information Available.

##### ENVIRONMENTAL FATE

Mobility: No information available.  
Biodegradation: No information available.  
Bioaccumulation: No Information Available.

##### PHYSICAL/CHEMICAL

Hydrolysis: No information available.  
Photolysis: No information available.

#### SECTION 13 - DISPOSAL CONSIDERATIONS

Provide maximum ventilation, only personnel equipped with proper respiratory and skin and eye protection should be permitted in the area. Take up spilled material with sawdust, vermiculite, or other absorbent material and place in containers for disposal.

Waste material must be disposed of in accordance with federal, state, provincial and local environmental control regulations. Empty containers should be recycled by an appropriately licensed reconditioner/salvager or disposed of through a permitted waste management facility. Additional disposal information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

#### SECTION 14 - TRANSPORTATION INFORMATION

Proper Shipping Name: Paint- Non-Regulated Goods  
NOS Technical Name: None  
Hazard Class: None  
Subsidiary Class(es): None  
UN Number: None  
Packing Group: None

USA - RQ Hazardous Substances: None  
USA-RQ Hazardous Substance: None  
Threshold Ship Weight:  
Marine Pollutant Name: None

#### SECTION 15 - REGULATORY INFORMATION

##### INVENTORY STATUS

U.S. TSCA: This product and/or all of its components are listed on the U.S. TSCA Inventory or is otherwise exempt from TSCA Inventory reporting requirements.

##### FEDERAL REGULATIONS

##### US Regulations

##### SARA 311/312

Health (acute): No  
Health (chronic): Yes  
Fire (flammable): No  
Pressure: No  
Reactivity: No

WHMIS HAZARD CLASS: - Class D, Division 2, Subdivision A

##### STATE/PROVINCIAL REGULATIONS

##### Additional Information

Material/ CAS Number	Percent	IARC Group 1(Kno wn Human Carc.)	IARC Group 2A (Proba ble Carc.)	IARC 2B (Suspec ted Carc.)	ACGIH Carc.	NTP Known Carc.	OSHA Carc.
TITANIUM DIOXIDE 13463-67-7	5 - 10	N	N	Y	N	N	N

Key: IARC- International Agency on the Research of Cancer; ACGIH- American Conference of Governmental Industrial Hygienists; NTP- National Toxicology Program \*Denotes chemical as NTP Known Carcinogen; + Denotes NTP Possible Carcinogen; OSHA- Occupational Safety and Health Administration.

#### SECTION 16 - OTHER INFORMATION

##### Hazard Rating Systems

NFPA Rating: 1 10  
HMIS Rating: 1\*10

Rating System: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe, \*=Chronic Effects.

HMIS=Hazardous Materials Identification System; NFPA=National Fire Protection Association;

Safe handling of this product requires that all of the information on the MSDS be evaluated for specific work environments and conditions of use.

PREPARED BY: Product Safety Department

REASON FOR REVISION: Section 9 has been updated. Date. Edition. Updated MSDS format.

This Material Safety Data Sheet has been prepared in accordance with Canada's Workplace Hazardous Materials Information System (WHMIS) and the OSHA Hazard Communication Standard (29 CFR 1910.1200), the supplier notification requirements of SARA Title III, Section 313 and other applicable right-to-know regulations.

Additional environmental information is contained on the Environmental Data Sheet for this product, which can be obtained from your PPG representative.

6-415 000086 (00532072.001)(09/16/08)

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PRODUCT NAME: OLYMPIC PREM INT EGG SHELL

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\*\*\* END OF MSDS \*\*\*