SECTION 1 - PRODUCT AND COMPANY INFORMATION

PPG/Porter Paints
400 South 13th Street
Louisville, KY 40203

EMERGENCY PHONE NUMBERS (24 hours/day):
(412) 434-4515 (U.S.)
(514) 645-1320 (Canada)
01-800-00-21-400 (Mexico)
0532-3889090 (China)

TECHNICAL INFORMATION:
(866) 823-2585

PRODUCT SAFETY/MSDS INFORMATION:
(412) 492-5555 7:00 a.m. - 4:30 p.m. EST

Product ID:
COLOR SEAL WB WHITE/PASTEL BASE

PP37868 (0878)

SYNONYMS:
None

ISSUE DATE: 04/29/2005

EDITION NO.: 3

CHEMICAL FAMILY:
Acrylic

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>
<thead>
<tr>
<th>Material/CAS Number</th>
<th>Percent</th>
<th>Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE 13463-67-7</td>
<td>10 - 30</td>
<td>X</td>
</tr>
<tr>
<td>2-BUTOXY ETHANOL 111-76-2</td>
<td>1 - 5</td>
<td>X</td>
</tr>
<tr>
<td>ALUMINUM SILICATE 1332-58-7</td>
<td>1 - 5</td>
<td>X</td>
</tr>
<tr>
<td>DIATOMACEOUS EARTH 17199-53-2</td>
<td>1 - 5</td>
<td>X</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOETHYL ETHER 111-90-0</td>
<td>1 - 5</td>
<td>X</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOMETHYL ETHER 111-77-3</td>
<td>1 - 5</td>
<td>X</td>
</tr>
<tr>
<td>(As Glycol ethers) 111-77-3</td>
<td>*</td>
<td>X</td>
</tr>
<tr>
<td>(As Glycol ethers) 111-76-2</td>
<td>*</td>
<td>X</td>
</tr>
<tr>
<td>(As Glycol ethers) 111-90-0</td>
<td>*</td>
<td>X</td>
</tr>
<tr>
<td>(As Nuisance Particulates) 1332-58-7</td>
<td>*</td>
<td>X</td>
</tr>
</tbody>
</table>

SECTION 3 - HAZARDS IDENTIFICATION

ACUTE OVEREXPOSURE EFFECTS

EMERGENCY OVERVIEW:
CAUSES SEVERE EYE IRRITATION. MAY CAUSE SLIGHT SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. VAPOR AND/OR SPRAY MIST HARMFUL IF INHALED. VAPOR IRRITATES EYES, NOSE, AND THROAT. HARMFUL OR FATAL IF SWALLOWED. This product is not expected to present any unusual hazards under fire or spill conditions. Read entire MSDS before use.

SIGN & SYMPTOMS OF OVEREXPOSURE:
Harmful or fatal if swallowed.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:
Not applicable.

CHRONIC OVEREXPOSURE EFFECTS
Avoid long-term and repeated contact.

EYE CONTACT:
Causes severe 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:
May be harmful if absorbed through the skin.

INHALATION:
Vapor and/or spray mist harmful if inhaled. Vapor irritates eyes, nose, and throat.

INGESTION:
Harmful or fatal if swallowed.

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. If irritation persists, contact a poison control center, emergency room, or physician as further treatment may be necessary.

SKIN CONTACT:
Run a gentle stream of water over the affected area for 15 minutes. A mild soap may be used if available. If any symptoms persist, contact a poison control center, emergency room, or physician as further treatment may be necessary.

INHALATION:
Remove from area to fresh air. If symptomatic, contact a poison control center, emergency room or physician for treatment information.

INGESTION:
Gently wipe or rinse the inside of the mouth with water. Sips of water may be given. Never give anything by mouth to an unconscious person. Contact a poison control center, emergency room or physician right away as further treatment may be necessary.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
**PERSONAL PROTECTIVE EQUIPMENT**

**EYES:**
Wear chemical-type splash goggles when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

**SKIN/GLOVES:**
Wear protective clothing to prevent skin contact. Apron and 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.

**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 chemical-type splash goggles when possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapors.

**SKIN/GLOVES:**
Wear protective clothing to prevent skin contact. Apron and 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.

**FLASHPOINT:** >200 Degrees F (> 93 Degrees C)

**FLASHPOINT TEST METHOD:**
Pensky-Martens Closed Cup

**UEL:** Not Available.

**OSHA PEL:** Short-Term Exposure Limit; Skin=OSHA Skin Designation.

**RESPIRATOR:**
Overexposure to vapors may be prevented by ensuring proper ventilation controls, vapor exhaust or fresh air entry. A NIOSH- approved air purifying respirator with the appropriate chemical cartridges or a positive-pressure, air-supplied respirator may also reduce exposure. 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.

<table>
<thead>
<tr>
<th>Material (CAS Number)</th>
<th>Percent</th>
<th>ACGIH TEL</th>
<th>ACGIH STEL</th>
<th>OSHA PEL</th>
<th>OSHA STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE 13463-67-7</td>
<td>10-30</td>
<td>10 mg/m³</td>
<td>Not established</td>
<td>10 mg/m³</td>
<td>Not established</td>
</tr>
<tr>
<td>2-BUTOXY ETHANOL 111-76-2</td>
<td>1-5</td>
<td>20 PPM</td>
<td>Not established</td>
<td>3-25 ppm</td>
<td>Not established</td>
</tr>
<tr>
<td>ALUMINUM SILICATE 1332-58-7</td>
<td>1-5</td>
<td>R: 2 mg/m³</td>
<td>Not established</td>
<td>R: 5 mg/m³</td>
<td>Not established</td>
</tr>
<tr>
<td>DIATOMACEOUS EARTH 61790-93-2</td>
<td>1-5</td>
<td>R: 3 MG/m³</td>
<td>Not established</td>
<td>8 mg/m³</td>
<td>Not established</td>
</tr>
<tr>
<td>(As Glycol ethers) 111-77-3</td>
<td>*</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>(As Glycol ethers) 111-76-2</td>
<td>*</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
<tr>
<td>(As Nuisance Particulates) 1332-58-7</td>
<td>*</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

**Key:** OSHA=Occupational Safety and Health Administration; PEL=Permissible Exposure Limit; Ceiling=PEL Ceiling Limit; STEL=PEL Short-Term Exposure Limit; Skin=OSHA Skin Designation.
### SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

**(FORMULA VALUES, NOT SALES SPECIFICATIONS)**

<table>
<thead>
<tr>
<th>Material/ CAS Number</th>
<th>Percent</th>
<th>Ontario TWA</th>
<th>Ontario STEL</th>
<th>PPG IPEL</th>
<th>PPG STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE 13463-67-7</td>
<td>10 - 30</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>2-BUTOXY ETHANOL 111-76-2</td>
<td>1 - 5</td>
<td>S- 20 PPM</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>ALUMINUM SILICATE 1332-58-7</td>
<td>1 - 5</td>
<td>R- 2 MG/m³</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>DIATOMACEOUS EARTH 61790-53-2</td>
<td>1 - 5</td>
<td>R- 3 MG/m³</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOETHYL ETHER 111-90-0</td>
<td>1 - 5</td>
<td>Not established</td>
<td>Not established</td>
<td>25 ppm</td>
<td>50 ppm</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOMETHYL ETHER 111-77-3</td>
<td>1 - 5</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>(As Glycol ethers) 111-77-3</td>
<td>*</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>(As Glycol ethers) 111-76-2</td>
<td>*</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not established</td>
<td>Not established</td>
</tr>
<tr>
<td>(As Nuisance Particulates) 1332-58-7</td>
<td>*</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not established</td>
<td>Not established</td>
</tr>
</tbody>
</table>

### 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; 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 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 alkalies, strong mineral acids, or strong oxidizing agents.

### SECTION 11 - TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

<table>
<thead>
<tr>
<th>Material/ CAS Number</th>
<th>Percent</th>
<th>ORAL LD50 (g/kg)</th>
<th>DERMAL LD50 (g/kg)</th>
<th>INHALATION LC50 (mg/l)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-BUTOXY ETHANOL 111-76-2</td>
<td>1 - 5</td>
<td>.47 g/kg</td>
<td>.22 g/kg</td>
<td>2.18 mg/L, 4 h</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOETHYL ETHER 111-77-3</td>
<td>1 - 5</td>
<td>5.50 g/kg</td>
<td>Not Available</td>
<td></td>
</tr>
</tbody>
</table>

#### CHRONIC TOXICITY

**Target Organs:**
- None known - Bone marrow and blood tissues - Blood - Kidney - Liver - Carcinogen - Brain - Central nervous system - Lung

**Mutagenicity Toxicity:**
This has not been tested for this product.

**Reproductive Toxicity:**
This has not been tested for this product.

### SECTION 12 - ECOLOGICAL INFORMATION

#### POTENTIAL ENVIRONMENTAL EFFECTS

Ecotoxicity:
No Information Available.

### SUPPLEMENTAL HEALTH INFORMATION:

<table>
<thead>
<tr>
<th>Material/ CAS Number</th>
<th>Percent</th>
<th>Ingredient Specific Animal Data:</th>
</tr>
</thead>
<tbody>
<tr>
<td>TITANIUM DIOXIDE 13463-67-7</td>
<td>10 - 30</td>
<td>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.</td>
</tr>
<tr>
<td>2-BUTOXY ETHANOL 111-76-2</td>
<td>1 - 5</td>
<td>This product contains an ethylene series glycol ether and/or acetate which has been shown to cause adverse effects on the kidneys, liver, blood and/or blood-forming tissue. In a two-year NTP inhalation study, there was no significant increase in the incidence of any type of tumor in rats exposed to 2-butoxy ethanol at concentrations up to 125 ppm except a questionable trend in the incidence of adrenal gland tumors in female rats. When mice were exposed to concentrations of 62.5, 125, and 250 ppm, there was some evidence of carcinogenicity found in the liver of male mice and the forestomach of female mice at 250 ppm.</td>
</tr>
<tr>
<td>DIETHYLENE GLYCOL MONOMETHYL ETHER 111-77-3</td>
<td>1 - 5</td>
<td>This product contains an ethylene series glycol ether and/or acetate which has been shown to cause adverse effects on the kidneys, liver, blood and/or blood-forming tissue.</td>
</tr>
</tbody>
</table>

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### HAZARDOUS POLYMERIZATION:
None Known.

### HAZARDOUS DECOMPOSITION PRODUCTS:
- Carbon monoxide - Carbon dioxide - Oxides of aluminum - Silicon oxides

---

**PRODUCT NAME:** COLOR SEAL WB WHITE/PASTEL BASE

**PRODUCT ID:** PP37868 (0878)

---

**PPG/Porter Paints**
400 South 13th Street
Louisville, KY 40203

---

**TITANIUM DIOXIDE**

CAS Number: 1333-86-4

**DIATOMACEOUS EARTH**

CAS Number: 1332-58-7

**DIETHYLENE GLYCOL MONOETHYL ETHER**

CAS Number: 111-90-0

**DIETHYLENE GLYCOL MONOMETHYL ETHER**

CAS Number: 111-77-3

**DIETHYLENE GLYCOL**

CAS Number: 111-76-2

**GLYCOL ETHERS**

CAS Number: 111-77-3

**GLYCOLS**

CAS Number: 111-76-2

---

**WEIGHT PER GALLON:**

9.99 (U.S.) / 11.9 (IMPERIAL)

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**ODOR/APPEARANCE:**

Viscous liquid with an odor characteristic of the chemical family and any solvents listed in Section 2.

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**SPECIFIC GRAVITY:**

1.199

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**POTENTIAL ENVIRONMENTAL EFFECTS**

No Information Available.
**ENVIRONMENTAL FATE**

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mobility</td>
<td>No Information Available</td>
</tr>
<tr>
<td>Biodegradation</td>
<td>No Information Available</td>
</tr>
<tr>
<td>Bioaccumulation</td>
<td>No Information Available</td>
</tr>
</tbody>
</table>

**PHYSICAL/CHEMICAL**

<table>
<thead>
<tr>
<th>Property</th>
<th>Information Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrolysis</td>
<td>No Information Available</td>
</tr>
<tr>
<td>Photolysis</td>
<td>No Information Available</td>
</tr>
</tbody>
</table>

**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: None

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

**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

**SECTION 16 - OTHER INFORMATION**

**Hazard Rating Systems**

NFPA Rating: 2 10

HMIS Rating: 2*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.
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.

PP3545 000005 (00342004.001)(04/28/05)
050428, 000, 0878

*** END OF MSDS ***