



## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ..... Aquapel® Glass Treatment Precleaner  
**Product ID:** ..... 01251  
**ISSUE DATE:** ..... 08/15/2006  
**EDITION NO.:** ..... 1

**PPG Industries, Inc.**  
**One PPG Place, Pittsburgh, PA 15272, USA**  
**24-hour Emergency Telephone Number: 1-412-434-4515**  
**For Product Information (8am-5pm Eastern time):**  
1-800-861-4999 (ARG Glass)

**PREPARER:** Product Safety, Glass

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Material/CAS Number</u>	<u>Percent</u>
Water 7732-18-5	75-85
Aluminum Oxide 1344-28-1	15-25

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

**CAUTION!** May cause irritation to eyes and skin. May cause respiratory tract irritation. May be harmful if swallowed.

**Precautions:** Avoid contact with eyes. Avoid contact with skin. Dust can be generated if material is permitted to dry. Avoid prolonged or repeated inhalation of dust; may irritate the respiratory tract. Use only with adequate ventilation. Ventilation must be sufficient to limit employee exposure to this product below permissible exposure limits. Do not swallow. Wash thoroughly every day after work. Do not eat, drink or smoke in work area.

### 4. FIRST AID MEASURES

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

**EYE/SKIN CONTACT:** EYE: 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: 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.

**INGESTION:** Gently wipe or rinse the inside of the mouth with water. Sips of water can be given. Never give anything by mouth to an unconscious person. Contact a poison control center, emergency room or physician for treatment information.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** Not applicable

**EXTINGUISHING MEDIA:** Use extinguishers appropriate for surrounding fire.

**SPECIAL FIREFIGHTING PROCEDURES:** Fire-fighters must wear NIOSH approved pressure demand, self-contained breathing apparatus and full protective clothing when fighting chemical fires.

## 6. ACCIDENTAL RELEASE MEASURES

### **ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

Dike area to contain spill. Recover spilled material on adsorbents, such as sand or vermiculite, and place in covered containers for reclamation or disposal.

## 7. HANDLING AND STORAGE

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

Store in a cool, dry, well-ventilated place. Store only in closed, properly labeled containers. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Exposure Limits:**

**8-hour Time Weighted Average (TWA); 15-minute Short-Term Exposure Limit (STEL)**

**OSHA:** The OSHA Exposure Limit for Aluminum Oxide is 10 mg/m<sup>3</sup> TWA. (total dust) 5 mg/m<sup>3</sup> TWA. (respirable dust) (1989 Vacated PEL's)

**ACGIH:** The ACGIH exposure limit(s) for Aluminum oxide 10 mg/m<sup>3</sup> TWA.

**ONTARIO:** The Ontario Exposure limit(s) for Aluminum oxide 10 mg/m<sup>3</sup>TWA. (total dust)

**RESPIRATORY PROTECTION:** If use or application of this product generates dust, use an appropriate NIOSH-approved particulate filter respirator.

**VENTILATION:** Use local exhaust or general room/dilution ventilation sufficient to maintain employee exposure below permissible exposure limits.

**EYE AND FACE PROTECTION:** Splashproof goggles.

**PROTECTIVE GLOVES:** Impervious gloves.

**OTHER PROTECTIVE EQUIPMENT:** Boots, aprons, or chemical suits should be used when necessary to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** ..... Approx. 212°F (100°C)  
**Vapor Density (Air=1):** ..... Not Applicable.  
**Specific Gravity (Water=1):** ..... 1.16  
**pH:** ..... NA  
**FREEZING/MELTING POINT:** ..... Approx. 32°F ( 0°C)  
**SOLUBILITY (wt.% in water):** ..... 75-85% Soluble  
**Bulk Density (kg/M3):** ..... Unknown  
**VOLUME % VOLATILE:** ..... 75-85%  
**VAPOR PRESSURE:** ..... NA  
**Evaporation Rate:** ..... NA  
**HEAT OF SOLUTION:** ..... NA  
**Physical State:** ..... Slurry  
**Odor:** ..... Odorless  
**COLOR:** ..... Milky White

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INCOMPATIBILITY (CONDITIONS/MATERIALS TO AVOID):**

Avoid strong acids and alkalis.

**HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:**

None known.

## 11. TOXICOLOGICAL INFORMATION

**CARCINOGENICITY STATUS:** This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, ACGIH, or OSHA.

**MEDICAL CONDITIONS AGGRAVATED:** None known.

**EFFECTS OF OVEREXPOSURE:**

Eye/Skin: Eye or skin contact may cause irritation. Inhalation - Excessive exposure to the dust may cause some irritation of the respiratory tract. Ingestion: May be harmful if swallowed.

The above information is for the dry product. This product is a slurry/wet cake which if allowed to dry would exhibit the above effects.

**CHRONIC:** 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.

## 12. ECOLOGICAL INFORMATION

### ECOTOXICOLOGICAL INFORMATION:

No data at this time.

### ENVIRONMENTAL FATE:

No data at this time.

## 13. DISPOSAL CONSIDERATIONS

### DISPOSAL METHOD:

Waste material must be disposed of in accordance with federal, state, provincial, and local environmental control regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

## 14. TRANSPORT INFORMATION

**Proper Shipping Name:** .....Not regulated

## 15. REGULATORY INFORMATION

**USA TSCA:** All components of this product are listed on the TSCA Inventory.

**EU EINECS:** All components in this product are listed on EINECS or meet the polymer definition.

**CANADA DOMESTIC SUBSTANCES LIST (DSL):** This product and/or all of its components are listed on the Canadian DSL.

**AUSTRALIA AICS:** All components of this product are listed on AICS.

**KOREA ECL:** All components in this product are listed on the Korean Existing Chemicals Inventory (KECI).

**JAPAN MITI (ENCS):** All components in this product are listed on the Japanese Existing and New Chemical Substances (ENCS) chemical inventory.

**PHILIPPINES PICCS:** All of the components in this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS).

**CHINA IECSC:** All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or otherwise exempt.

### SARA TITLE III:

#### SARA (311, 312) Hazard Class:

Acute Health Hazard.

#### SARA (313) Chemicals:

This product contains toxic chemical(s) listed below which is(are) subject to the reporting requirement of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

ALUMINUM OXIDE//1344-28-1

#### SARA Extremely Hazardous Substance:

Not listed.

**CERCLA Hazardous Substance:**

Not listed.

**CALIFORNIA PROPOSITION 65:** Warning: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

**CANADA REGULATIONS (WHMIS):** Not Applicable.

**16. OTHER INFORMATION**

**NA = Not Available**