



Material Safety Data Sheet

PPG INDUSTRIES, INC., One PPG Place, Pittsburgh, PA 15272

*** 24-hour Emergency Assistance: (304) 843-1300 ***

AQUAPEL® Glass Treatment

MSDS #435E, 1/06/98, 2nd Edition

SECTION 1 * PHYSICAL DATA

Boiling Point Range @ 760 mm Hg: 376-401 °F

Vapor Density (Air=1): 5.9

Specific Gravity (H20=1): .82

Solubility (Weight % in Water): <0.01 @ 77 °F

Volume % Volatile: 99 **Vapor Pressure:** <1 mm Hg @ 68 °F **pH:** N/A

Evaporation Rate: <0.1 **Appearance/Odor:** Clear, colorless liquid with an acrid odor.

SECTION 2 * INGREDIENTS

Proprietary Mixture

100%

SECTION 3 * FIRE/EXPLOSION HAZARD DATA

Flash Point: 147 °F TCC **Extinguishing Media:** Dry chemical, foam or water spray.

Special Fire Fighting Procedures: Fire fighters must wear NIOSH/MSHA approved, self-contained breathing apparatus operated in the pressure demand mode to fight fires.

Unusual Fire and Explosion Hazards: Hazardous decomposition products may include small amounts of hydrochloric acid and hydrofluoric acid gases.

SECTION 4 * HEALTH HAZARD DATA/EFFECTS OF OVEREXPOSURE

This product is NOT listed as a carcinogen or potential carcinogen by NTP, IARC or OSHA. There are no Permissible Exposure Limits established by OSHA, ACGIH or PPG. The manufacturer of the solvent recommends a workplace exposure limit of 300 ppm total hydrocarbon based on composition. The permissible exposure limit for hydrochloric acid is: OSHA - 5 ppm ceiling; ACGIH-TLV - 5 ppm ceiling.

ACUTE: Skin Contact: May cause moderate skin irritation. Skin contact may aggravate an existing dermatitis condition. This material is not expected to cause allergic responses based on a delayed contact hypersensitivity study in guinea pigs. **Eye Contact:** May cause slight irritation to the eyes. Redness, itching, swelling, burning sensation and visual disturbances can result from excessive eye contact. **Inhalation:** High vapor/aerosol concentrations (> 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects. This material may emit small amounts of hydrochloric acid gas which may cause irritation of the upper respiratory system. **Ingestion:** Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury. **CHRONIC:** The effects of long-term, low level exposures to this product have not been determined.

EMERGENCY AND FIRST AID PROCEDURES: Inhalation: Remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician. **Eye/Skin Contact:** Immediately flush eyes and skin with plenty of water (soap and water for skin) for at least 15 minutes, while removing contaminated clothing and shoes. Call a physician. Thoroughly clean contaminated clothing and shoes before reuse or discard. **Ingestion:** If conscious, drink large quantities of water. Do not induce vomiting. Take immediately to a hospital or physician. If unconscious, or in convulsions, take immediately to a hospital. Do not attempt to give anything by mouth to an unconscious person.

Notes to Physician: Treat symptomatically. Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

SECTION 5 * REACTIVITY DATA

Stability: Stable. **Hazardous Polymerization:** Will not occur. **Incompatibility (materials to avoid):** Strong oxidizing agents. **Hazardous Decomposition Products:** Hydrochloric and hydrofluoric acid gases.

SECTION 6 * SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released: Eliminate sources of ignition. Recover spilled material on adsorbents, such as sand or vermiculite and sweep into covered containers for disposal. Do not discharge into sewers. After all visible traces of spilled material have been removed, thoroughly wash area with soap and water. **Waste Disposal Method:** Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination. It is your duty to dispose of the chemical materials and/or their containers in accordance with the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, as well as any other relevant federal, state, or local laws/regulations regarding disposal.

SECTION 7 * SPECIAL PROTECTION INFORMATION

Respiratory Protection: Wear a NIOSH/MSHA approved full facepiece respirator for organic vapor and acid gas protection when the exposure limits listed in Section 4 are exceeded. Respirator use limitations made by NIOSH/MSHA and the manufacturer must be observed. Respiratory protection programs must be in accordance with 29 CFR 1910.134. **Ventilation (type):** Mechanical dilution. **Eye Protection:** Safety glasses with side shields. **Gloves:** Nitrile. **Other Protective Equipment:** Protective clothing should be used when necessary to prevent skin contact. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.132 and 29 CFR 1910.133.

SECTION 8 * SPECIAL PRECAUTIONS

Precautions to be Taken During Handling and Storing: Store in a cool, dry area. Store only in closed, properly labeled containers. **Other Precautions:** Do not spray apply this product. Use with adequate ventilation. Avoid contact with skin, eyes, or clothing. Do not swallow. Wash thoroughly after handling. Do not eat, drink or smoke in work area.

SECTION 9 * OTHER COMMENTS

TSCA: All components are listed on the TSCA and EINECS Inventories or are approved by low volume exemptions.. **SARA Title III - a)** 311/312 categories--acute and flammability, b) not listed in Section 313, c) not listed as an "extremely hazardous substance" in Section 302. **U.S. DOT:** Not regulated in small containers. **International Shipments:** Not regulated.

This product is a treatment for automotive glass, which imparts water repellency to the glass surface. The product contains over 98 percent volatile organic compounds. It is not a "Coating" or a "Glass Cleaner."

This product is not regulated currently by the United States Environmental Protection Agency. However, users of this product should review their state and local regulations regarding consumer products, or other regulations, pertaining to volatile organic compounds, to determine if any limitations apply to their specific use of this glass treatment product.