

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: AQUAGLAS
PRODUCT CODE: AQUAGLAS

HMIS CODES: H F R P

SECTION 1: MANUFACTURER IDENTIFICATION

MANUFACTURER'S NAME: KEY RESIN COMPANY
ADDRESS: 4050 Clough Woods Drive
Batavia, Ohio 45103
EMERGENCY NUMBER: 1-800-424-9300 **DATE PRINTED:** 12/23/09
INFORMATION NUMBER: 1-513-943-4225 **PREPARER:** R. CAIN

SECTION 2: HAZARDOUS INGREDIENTS

AQUAGLAS is a proprietary blend of water soluble reactive silicates and surface reactive ingredients.

NE - Not Established

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|---------------------------------|-----------------------------|
| BOILING POINT | 214-216° F |
| VAPOR DENSITY | 0.67 (Air=1) |
| VOC | 0.00 |
| SOLUBILITY IN WATER | Very slight |
| APPEARANCE | Clear liquid |
| SPECIFIC GRAVITY (H2O=1) | 1.40 |
| EVAPORATION RATE | Slower than N-Butyl Acetate |

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Not Applicable
METHOD USED: Not Applicable
FLAMMABLE LIMITS IN AIR BY VOLUME **LOWER:** Not Applicable
UPPER: Not Applicable

EXTINGUISHING MEDIA: No Data

SPECIAL FIRE FIGHTING PROCEDURES: Wear a self contained breathing apparatus with full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal equipment. Refer to control measures section of this MSDS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: No special fire hazards are known to be associated with this product.

SECTION 5: REACTIVITY DATA

STABILITY: Normally Stable

CONDITIONS TO AVOID: Elevated temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid contact with reactive metals such as aluminum and magnesium, strong acids, strong organic acids, zinc.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: May form hydrogen, silicates.

HAZARDOUS POLYMERIZATION: Product can undergo hazardous polymerization. Avoid contact with strong mineral acids and strong organic acids.

SECTION 6: HEALTH HAZARD DATA

HEALTH RISKS:

INHALATION: Breathing of vapor or mist is possible. Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

EYE: May cause irritation to the eyes, symptoms include stinging, tearing, redness, and swelling of eyes.

SKIN: Can cause skin irritation. Symptoms may include redness and burning of skin, and other skin damage.

INGESTION: Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation

(nausea, vomiting, diarrhea), abdominal pain, and vomiting of blood. Swallowing this material may cause burns and destroy tissue in the mouth, throat, and digestive tract. Low blood pressure and shock may occur as a result of severe tissue injury.

SYMPTOMS OF EXPOSURE: No data

SECTION 6: HEALTH HAZARD DATA (Continued)

HEALTH HAZARDS (ACUTE AND CHRONIC): No data

CARCINOGENICITY: No data

NTP CARCINOGEN: NO **IARC MONOGRAPHS:** NO **OSHA REGULATED:** NO

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: skin, lung (i.e., asthma)

EMERGENCY AND FIRST AID PROCEDURES:

EYES: Move individual away from exposure and into fresh air. Flush eyes with potable water for at least 15 minutes. Seek medical attention.

SKIN: Remove contaminated clothes and launder before reuse. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention.

INGESTION: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible do not leave individual unattended.

INHALATION: If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid contact. Collect and add slowly to large volume of water.

WASTE DISPOSAL METHOD: Dispose in an accordance with local, state, and federal regulations.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions given in the data sheet should be observed.

OTHER PRECAUTIONS: Keep containers tightly closed when not in use.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: If overexposure has been determined or documented, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations permit other NIOSH/MSHA respirators under specified conditions. Engineering or administrative controls should be implemented to reduce exposure.

VENTILATION: Provide sufficient mechanical ventilation to maintain exposure below level of overexposure.

PROTECTIVE GLOVES: Wear resistant (neoprene) gloves. To prevent skin contact, wear impervious clothing and boots.

EYE PROTECTION: Chemical splash goggles and face shield in compliance with OSHA regulations are advised; however, OSHA regulations permit other type safety glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Provide eye fountain and safety shower.

WORK/HYGIENIC PRACTICES: Practice good industrial hygiene. Wash with soap and water before eating, smoking, or using the restroom.

SECTION 9: REGULATORY INFORMATION

SARA TITLE III SECTION 302: None

SARA TITLE III SECTION 311/312: None

SARA TITLE III SECTION 313: Unless shown below, this product does not contain chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

| CAS # | Chemical Name | Percent by Weight |
|-------|---------------|-------------------|
| | None | |

PROP 65 (CARCINOGEN): Unless shown below, this product does not contain chemicals known to the state of California to cause cancer.

| CAS # | Chemical Name | Percent by Weight |
|-------|---------------|-------------------|
| | None | |

PROP 65 (TERATOGENIC): Unless shown below, this product does not contain chemicals known to the state of California to cause birth defects or other reproductive harm.

| CAS # | Chemical Name | Percent by Weight |
|-------|---------------|-------------------|
| | None | |

PROP 65 (CARCINOGENIC & TERATOGENIC): Unless shown below, this product does not contain chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

| CAS # | Chemical Name | Percent by Weight |
|-------|---------------|-------------------|
| | None | |

HAZARDOUS WASTE INFORMATION: Unless shown below, this product is not a hazardous waste according to definitions found in CFR-40.

STATE OF MICHIGAN CRITICAL MATERIALS: Unless shown below, this product does not contain ingredients appearing on the State of Michigan Critical Materials List.

| CAS # | Chemical Name | Percent by Weight |
|-------|---------------|-------------------|
| | None | |

SECTION 9: REGULATORY INFORMATION (CON'T)

D.O.T. PROPER SHIPPING NAME: Water Based Solution

PROPER SHIPPING NAME: Water Based Solution

HAZARD CLASS: non-hazardous

UN/NA ID NUMBER:

SECTION 10: DISCLAIMER

Data and recommendations presented herein are based upon our and other researchers and are believed to be accurate. The products discussed are distributed without warranty (expressed or implied) and the customer shall make his own determination of suitability for his particular purpose.