

# SAFETY DATA SHEET



Issue Date: September 9, 2014

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Version 2014

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Aquanil Plus 100

**Other Means of Identification:** SDS #: F3320

**Recommended Use:** Concrete Sealing Compound

**Restrictions on Use:** No Data

**Supplier of the Safety Data Sheet including Address:**

ChemMasters Inc.  
300 Edwards Street  
Madison, OH 44057

**Telephone Numbers**

**Company Phone Number**

Phone: 800-486-7866, 440-428-2105

Fax: 440-428-7091

**Emergency Telephone :** ChemTrec 800-424-9300 (United States & Canada), International Call: 1-703-527-3887

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**OSHA Hazards**

Causes skin irritation, Causes serious eye irritation, May cause respiratory irritation, May be harmful if swallowed.

**Target Organs:** Respiratory System

**GHS Classification**

Flammable Liquids Category 4

Acute Toxicity, Oral Category 5

Skin Corrosion/Irritation, Category 2

Eye Damage/Irritation, Category 2A

Specific target organ toxicity – single exposure Category 3 (Respiratory System)

**Label Elements, including precautionary statements**

**Pictograms:**



**Signal Word:** Warning

**Hazard Statements:**

H227 Combustible Liquid

H303 May be harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

## Precautionary Statement(s)

### Prevention:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### Response:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P303 If swallowed: Call a Poison Center/doctor if you feel unwell.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P304+P340+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.  
  
P370+P378 In case of fire use, dry chemical, alcohol resistant foam, halon or carbon dioxide to extinguish.

- Storage:** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P405 Store Locked Up

- Disposal:** P501 Dispose of contents/container in accordance with local/regional/national regulations.

**Hazards not otherwise classified:** None

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Component

N-Octyltriethoxysilane, CAS# 2943-75-1 and Branched Octyltriethoxysilanes 100%

Ingredients not listed on this safety data sheet are considered to be non-hazardous according to OSHA 1910.1200 or are not present above their cutoff levels. Where a range is displayed, the exact percentage of composition has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### First Aid Measures

**General Advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention.

**Ingestion:** IF SWALLOWED: Immediately call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth if conscious.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash off with soap and plenty of water. If skin irritation occurs: Get medical advice or attention.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Alcohol-resistant foam, dry chemical, halon or carbon dioxide

**Specific Hazards Arising from the Chemical**

In a fire or if heated a pressure increase will occur and the container may burst.

Vapors are combustible and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.

**Hazardous Combustion Products:** Carbon dioxides & Carbon monoxide

**Protective Equipment and Precautions for Firefighters**

Wear self-contained breathing apparatus and full protective gear for firefighting.

**Further Information:** Use water spray to cool unopened containers. See Section 7 for safe handling and storage

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

**Environmental Precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.

**Methods and Material for Containment and Cleaning Up**

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wash hands and skin thoroughly after handling. Use only outdoors or in a well ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

**Conditions for Safe Storage, Including any Incompatibilities**

Keep container tightly closed in a dry, cool and well ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines:**

**Ethyl Alcohol is formed upon contact with water or humid air.** Provide adequate ventilation to control exposures within OSHA Guidelines: TWA 1000 ppm and ACGIH TLV: STEL 1000 ppm.

**Appropriate Engineering Controls**

Local Ventilation: Recommended

General Ventilation: Recommended

## Individual Protection Measures, such as Personal Protective Equipment

**Eye/Face Protection:** Use proper protection – Safety Glasses as a minimum

**Skin and Body Protection:** Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.

**Respiratory Protection:** Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before & after breaks and work day.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Clear

**Color:** Clear to pale yellow

**Odor:** Alcoholic Odor

**Odor threshold:** No Data

<u>Property</u>	<u>Value</u>	<u>Remarks – Method</u>
Vapor Pressure	Not Available	
Vapor Density	Not Available	
Relative Density	Not Available	
pH:	Not Relevant	
Melting/Freezing Point	Not Relevant	
Solubility	Not Available	
Evaporation Rate	Not Available	
Flash Point	65 Degrees C (149 Degree F)	PM (D93) Closed Cup
Flammability Limits	Lower Limit: Not Available	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	Not Available	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	0.875 at 25 Degrees C	7.29 +/- 0.01 Lbs./gal.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Moisture as material generates ethanol on contact with water or moisture. Avoid Heat, Flames and Sparks as material is combustible.

**Incompatible Materials:** Keep away from strong oxidizing agents, strong alkalis and strong acids.

### Hazardous Decomposition Products

Hazardous decomposition products formed under fire conditions, Carbon and Silicon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Inhalation, Skin Contact, Eye Contact, Ingestion

**Symptoms of Exposure:**

Contact with the eye can cause redness, blurred vision and tearing. Prolonged or repeated contact with skin may cause defatting or dermatitis.

Inhalation may cause respiratory system irritation, headache, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure**

**Repeated Exposure** may cause skin dryness and cracking.

**Carcinogenicity:**

Product is not expected to be carcinogenic.

**Other Chronic Effects:**

Chronic over-exposure to this material may cause systemic toxicity, including adverse reactions to the following: liver, spleen, thymus, bladder, brain and nervous systems.

**Numerical Measures of Toxicity:** No Data Available

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available.

**Acute Toxicity: Vertebrates**

**Persistence and Degradability:** No data available.

**Bioaccumulation:** No Data Available

**Mobility:** No Data Available

**Other Adverse Effects:** No Data Available

## 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods**

**Disposal of Wastes:** Under RCRA 40 CFR 261 this material is a hazardous waste. Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

**Contaminated Packaging:** Dispose of as unused product.

## 14. TRANSPORT INFORMATION

**DOT**

Non-Bulk: Not a dangerous good

Bulk (>119 gallon container): NA1993, Combustible Liquid N.O.S. (N-Octyltriethoxysilane), Combustible Liquid, III

**IATA**

Not a dangerous good

**IMDG**

Not a dangerous good

Marine Pollutant: No

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### US Federal Regulations

**SARA 302:** None

**SARA 311/312 Hazard Categories:** Acute: Yes, Fire: No, Chronic: Yes

**SARA 313 Hazard Categories:**

<u>CAS Number</u>	<u>Component Name</u>	<u>Wt. %</u>
None known		

**CWA (Clean Water Act):** None known

### Supplemental State Compliance Information

**California:** This product does not contain any known chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm.

### **States Right To Know:**

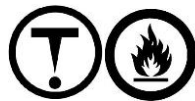
N-Octyltriethoxysilanes, CAS# 2943-75-1: Pennsylvania, New Jersey

**U.S. EPA Label Information:** No Data

### Canada

WHMIS Classification: Class D2B & B3 (Toxic & Flammable)

Symbol: Stylized T & Flammable



## 16. OTHER INFORMATION

### **HMIS Classification:**

Health hazard: 1\*

Flammability: 2

Physical Hazards: 0

### **NFPA Rating:**

Health hazard: 1

Fire: 2

Reactivity Hazard: 0

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### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**