

# SAFETY DATA SHEET



Issue Date: 29 January 2019

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## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Aquanil Plus 40 CI

**Other Means of Identification**

**SDS #:**

**Recommended Use:** Concrete Sealer

**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

## 2. HAZARDS IDENTIFICATION

**Emergency Overview**

**OSHA Hazards**

Highly flammable liquid, causes serious eye irritation, causes skin irritation, may cause drowsiness or dizziness, and may cause respiratory irritation, harmful if swallowed.

**Target Organs:** Eyes, Skin, Respiratory System

**GHS Classification**

Flammable Liquids Category 3

Eye Damage/Irritation Category 2A

Specific target organ toxicity – single exposure Category 3

Skin Corrosion/Irritation Category 3

Acute Toxicity, Oral Category 4

**Label Elements, including precautionary statements**

**Pictograms:** The image shows two GHS hazard pictograms side-by-side. The first is a red diamond with a black exclamation mark inside. The second is a red diamond with a black flame inside.

**Signal Word:** Danger

**Hazard Statements:**

H225 Highly Flammable Liquid and Vapour

H302 Harmful if swallowed

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation  
H336 May cause drowsiness or dizziness

### Precautionary Statement(s)

#### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P233 Keep container tightly closed.  
P240 Ground and bond the container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use non-sparking tools.  
P243 Take action to prevent static discharges.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands and skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
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 skin with plenty of soap and water.  
P332+P313 If skin irritation occurs: Get medical advice or 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 or attention.  
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
P330 Rinse mouth  
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, "alcohol resistant" foam, dry chemical, halon or carbon dioxide to extinguish.

**Storage:** P403+P235+P233 Store in a well-ventilated place. Keep cool. 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:

Repeated exposure may cause skin dryness and cracking.

Product may hydrolyze in gastro-intestinal tract and produce methanol. See SDS Section 8 and 11 for additional information.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Component

Mineral Spirits	CAS# 8052-41-3	55-60%
N-Octyltriethoxysilanes	CAS# 2943-75-1	39-41%
Dimethylethanolamine 99%	CAS# 108-01-0	0.1-2%

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: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. See Sections 8 and 11 for additional information.

**Skin Contact:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. 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.

### **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. Ground and bond the container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. 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**

#### **Component Exposure Limits**

Acetone, CAS# 67-64-1: UK. EH40 WEL TWA 500 ppm 8 hours, STEL 1500 ppm 15 minutes

Alkoxysilanes form Ethyl Alcohol upon contact with water or humid air.

Exposure limits for Ethyl Alcohol OSHA TWA 1000 ppm; ACGIH TLV 1000 ppm, ACGIH 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

**Ingestion: Product of Hydrolysis:** Product may hydrolyze in gastro-intestinal tract and produce methanol.

Methanol (CAS# 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes.

**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 light yellow

**Odor:** Solvent Odor

**Odor threshold:** No Data

<b><u>Property</u></b>	<b><u>Value</u></b>	<b><u>Remarks – Method</u></b>
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	-17 Degrees C (1 Degree F)	Tag Closed Cup
Flammability Limits	Lower Limit: 2.0% Upper Limit: 13.0%	
Flammability (Solid, gas)	Not Relevant	
Auto Ignition Temperature	Not Available	
Initial Boiling Point/Boiling Range	56 Degrees C	
Decomposition Temperature	Not Available	
Viscosity	Not Available	
Specific Gravity	0.83 at 25 Degrees C	6.95 Lbs./gal.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

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

**Conditions to Avoid:** Heat, Flames and Sparks

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

**Hazardous Decomposition Products:**

Hazardous decomposition products formed under fire conditions, Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

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

**Symptoms of Exposure:**

Product may cause drowsiness or dizziness if inhaled. Product may cause respiratory irritation.

Product causes serious eye irritation. Causes skin irritation.

**Ingestion: Product of Hydrolysis:** Product may hydrolyze in gastro-intestinal tract and produce methanol.

Methanol (CAS# 67-56-1) is readily and rapidly absorbed at all exposure routes and is toxic by all routes. Methanol may cause irritation of the mucosa, as well as nausea, vomiting, headaches, vertigo and visual disorders, including blindness (irreversible damage to the optic nerve), acidosis, spasms, narcosis and coma. There may be a delay in the onset of these effects after exposure.

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

**Eye & Respiratory System Irritation**

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

**Numerical Measures of Toxicity**

**Acetone:** LD50 Oral Rat: 5,800 mg/kg; LC50 Inhalation Rat: 50,100 mg/m<sup>3</sup> - 8 hrs.; LD50 Dermal Guinea pig: 7,426 mg/kg

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No Data Available

**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

### D.O.T. (Ground)

UN1263, PAINT, 3, II

### Limited Quantity Packaging Exception for 1 gallon or smaller containers for Ground Shipments Only.

49 CFR 173.150(b) Limited Quantities

Limited Quantities of flammable liquids (Class 3) are excepted from labeling requirements ..., specification packaging ..., and shipping papers...

***This exception does not apply to air and vessel shipment.***

49 CFR 173.150(b)(2) Limited Quantities for flammable liquids in Packing Group II, inner packagings not over 1.0 Liter (0.3 gallons) net capacity each, placed in a strong outer packaging.

49 CFR 172.102 Special Provision 149 When transported as a limited quantity, the maximum net capacity specified in 49 CFR 173.150(b)(2) of this subchapter for inner packagings may be increased to 5 Liters (1.3 gallons).

### I.A.T.A. (Air)

UN1263, PAINT, 3, II

### I.M.D.G. (Vessel)

UN1263, PAINT, 3, II

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: Yes, Chronic: No

**SARA 313 Hazard Categories:**

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

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

### Supplemental State Compliance Information

#### **California:**

Warning: This product contains the following 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. None Known

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

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

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

## 16. OTHER INFORMATION

### HMIS Classification:

Health hazard:	1
Flammability:	3
Physical Hazards:	0

### NFPA Rating:

Health hazard:	1
Fire:	3
Reactivity Hazard:	0

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Revision Note: New

Date of Previous Version: Not Applicable

### 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**