

SAFETY DATA SHEET



Issue Date: 29 January 2019

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Version: 2019V1.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aquanil Plus 100 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 2

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 white exclamation mark, representing a health hazard. The second is a red diamond with a white flame, representing a flammable liquid.

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

N-Octyltriethoxysilanes	CAS# 2943-75-1	95-99%
Dimethylethanolamine 99%	CAS# 108-01-0	1-4%

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

<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	-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/m³ - 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

Issuance Date: 29 January 2019

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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