1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Aquanil Plus 40

Other Means of Identification: SDS #: F3315

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
Flammable Liquid, May cause respiratory irritation, May cause drowsiness or dizziness, May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Target Organs: Eyes, Skin, Respiratory System, Central Nervous System

GHS Classification
Flammable Liquids Category 3
Hazardous to the Aquatic Environment – Long-Term (Chronic) Hazard Category 2
Specific target organ toxicity – single exposure Category 3
Aspiration Hazard Category 1
Acute Toxicity, Inhalation Category 4

Label Elements, including precautionary statements

Pictograms:

Signal Word: Danger

Hazard Statements:
H226 Flammable Liquid and Vapour
H332 Harmful if inhaled
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H304 May be fatal if swallowed and enters airways
H411 Toxic to aquatic life with long lasting effects
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 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.
P271  Use only outdoors or in a well-ventilated area.
P273  Avoid release to the environment.
P280  Wear protective gloves/protective clothing/eye protection/face protection.

Response:
P303+P361+P353  IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340+P312  IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.
P301+P310  IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331  Do NOT induce vomiting.
P370+P378  In case of fire use, dry chemical, alcohol resistant foam, halon or carbon dioxide to extinguish.
P391  Collect spillage

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.
May cause eye irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component
Petroleum Hydrocarbon Solvent  CAS# 8052-41-3  60%
Alkoxysilane Mixture  CAS# Proprietary  40%

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. 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 flammable 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. Ground and bond 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:
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.

Component Exposure Limits
Petroleum Hydrocarbon Distillates, CAS# 8052-41-3: ACGIH TLV TWA: 100 ppm 8 hours; OSHA PEL: TWA 500 ppm; NIOSH REL: TWA 350 mg/m3, NIOSH Ceiling: 1800 mg/m3
Components of Petroleum Hydrocarbon Distillates, CAS# 8052-41-3:

1,2,4-Trimethylbenzene, CAS# 95-63-6, TWA 25 ppm ACGIH
Ethyl Benzene, CAS# 100-41-4: ACGIH TLV: TWA 20 ppm
N-Nonane, CAS# 111-84-2: ACGIH TLV: TWA 200 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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Remarks – Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Clear</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Colourless</td>
<td>Odor: Petroleum Solvent Odor</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No Data</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
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<td></td>
</tr>
<tr>
<td>Vapor Density</td>
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<td></td>
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<tr>
<td>Relative Density</td>
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<td></td>
</tr>
<tr>
<td>pH</td>
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<td></td>
</tr>
<tr>
<td>Melting/Freezing Point</td>
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<td></td>
</tr>
<tr>
<td>Solubility</td>
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<tr>
<td>Evaporation Rate</td>
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<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>43 Degrees C (110 Degree F)</td>
<td>PM (D93) Closed Cup</td>
</tr>
<tr>
<td>Flammability Limits</td>
<td>Lower Limit: 0.9% Upper Limit: 6.2%</td>
<td></td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
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<td></td>
</tr>
<tr>
<td>Auto Ignition Temperature</td>
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<td></td>
</tr>
<tr>
<td>Initial Boiling Point/Boiling Range</td>
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<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
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<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not Available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.83-0.84 at 25 Degrees C</td>
<td>6.93 +/- 0.01 Lbs./gal.</td>
</tr>
</tbody>
</table>

### 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:**
May cause eye and skin irritation.
May cause 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.

**Aspiration Hazard:** May cause chemical pneumonitis (aspiration of liquid) if swallowed and enters airways.

**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: kidney, liver, spleen, adrenals, lungs, skin, blood, testes, cardiovascular and nervous systems.

**Numerical Measures of Toxicity**
Petroleum Hydrocarbon Solvent: LD50 Oral Rat: >7,000 mg/kg; LD50 Dermal Rabbit >2,000 mg/kg, Inhalation LC50 21 mg/l 1 hr..

12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Material is expected to be toxic to aquatic organisms. It may cause long-term adverse effects in the aquatic environment.

**Acute Toxicity: Vertebrates**
Components:
Petroleum Hydrocarbon Solvent: LC50 Fathead Minnow, 96 hr, 8.2 mg/l
1,2,4-Trimethylbenzene: LC50 Fathead Minnow, 96 hr, 7.72 mg/l

**Acute Toxicity: Invertebrates**
Components:
Petroleum Hydrocarbon Solvent: EC50 Water Flea, 48 hr, 32 mg/l
1,2,4-Trimethylbenzene: EC50 Water Flea, 48 hr, 3.6 mg/l

**Acute Toxicity: Aquatic Plants**
Petroleum Hydrocarbon Solvent: EL50, 96 hr, 45 mg/l

**Chronic Survival Toxicity: Vertebrates**
Components:
Petroleum Hydrocarbon Solvent: Aquatic Vertebrates, LL50 8 mg/l

**Chronic Survival Toxicity: Invertebrates**
Components:
Petroleum Hydrocarbon Solvent: EL50 Water Flea (Daphnia magna), 21 days, >40 mg/l

**Chronic Toxicity to Aquatic Plants**
Components:
1,2,4-Trimethylbenzene: EC50 Alga, 96 hr., 2.356 mg/l

**Persistence and Degradability:** Solvent portion is expected to be readily biodegradable.

**Bioaccumulation:** No Data Available
**Mobility:** This material has a low solubility in water. The solvent portion has high volatility (tendency to move from water to air) and will partition rapidly to the air. Therefore chronic aquatic toxicity is not expected, however a significant spill may cause long-term adverse effects in the aquatic environment.

**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**
UN1263, PAINT, 3, III

**IATA**
UN1263, PAINT, 3, III

**IMDG**
UN1263, PAINT, 3, III
Marine Pollutant: Yes

### 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: Yes

**SARA 313 Hazard Categories:**

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Component Name</th>
<th>Wt.%</th>
</tr>
</thead>
<tbody>
<tr>
<td>95-63-6</td>
<td>1,2,4-Trimethylbenzene</td>
<td>&lt;2%</td>
</tr>
</tbody>
</table>

**CWA (Clean Water Act):** This product contains petroleum hydrocarbons and may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

**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; **Ethyl Benzene - Carcinogen**

This product may contain trace amounts of other components known to the State of California to cause cancer, birth defects or other reproductive harm.
States Right To Know:
1,2,4-Trimethylbenzene, CAS# 95-63-6: New Jersey, Illinois, Minnesota, Pennsylvania, Rhode Island, Massachusetts.
N-Decane, CAS# 124-18-5: Pennsylvania
N-Nonane, CAS# 111-84-2: Pennsylvania
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

Issuance Date: July 7, 2014
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Revision Note: GHS Format
Date of Previous Version: January 30, 2012

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