MATERIAL SAFETY DATA SHEET

**Aquapolythane Water Based Polyurethane**

 Revision Date: 24 DEC 2014

**1. Product and Company Identification**

**Product Name Aquapolythane Water Based Polyurethane**

**Internal Code** 4400

**Product Type** Aqueous polyacrylate-polyurethane dispersion

**Product Use** Industrial/Commercial applications

**Manufacturer** Advanced Surfacing Ind., LLC

900 East Clarendon Drive

 Dallas, TX 75203 USA

**Non-emergency**

**Telephone** 817-336-8404

**Fax**

**Email** advancedsurfacingind@gmail.com

**Emergency Contact** **For Transportation Information:** CHEMTREC US Domestic 800-424-9300

CHEMTREC International 703-527-3887

 CANUTEC CA Domestic 613-996-6666

 **For Medical Information:** 800-360-2744

**2. Hazards Identification**

**Form** Milky liquid

**Odor** Mild amine

**OSHA/HCS Status** Material is NOT considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Emergency Overview** WARNING!

HARMFUL IF SWALLOWED. INHALATION MAY CAUSE HEADACHES, DIZZINESS, DROWSINESS AND NAUSEA. CAUSES EYE IRRITATION. MAY CAUSE RESPIATORY TRACT AND SKIN IRRATATION.

**Potential Acute Health Effects**

**Inhalation** May cause headaches, dizziness, drowsiness and nausea.

**Ingestion** May cause nausea.

**Skin** Contact may be slightly irritating.

**Eyes** Irritating to the eyes.

**Potential Chronic Health Effects**

**Chronic Effects** No known significant effects or critical hazards.

**Carcinogenicity** No known significant effects or critical hazards.

**Mutagenicity** No known significant effects or critical hazards.

**Teratogenicity** No none significant effects or critical hazards.

**Developmental Defects** No known significant effects or critical hazards.

**Fertility Effects** No known significant effects or critical hazards.

**Target Organs** Review Section 11 for any additional assessments.

**Over-exposure signs/symptoms**

**Inhalation** Adverse symptoms may include the following: Nausea or vomiting, respiratory tract irritation, coughing, headache, drowsiness/fatigue, dizziness/vertigo, unconsciousness.

**Ingestion** Adverse symptoms may include the following: Nausea or vomiting.

**Skin** Adverse symptoms may include the following: Irritation, redness.

**Eyes** Adverse symptoms may include the following: Pain or irritation, watering, redness.

**Medical conditions aggravated by over-exposure**

No specific target organ data,

See Section 11 for more detailed information on health effects and symptoms.

**3. Composition/Information on Ingredients**

**Chemical characterization**

**· Description:** Aqueous polyacrylate-polyurethane dispersion

**· Dangerous components:** Void

**4. First Aid Measures**

**· General information:** No special measures required.

**· After inhalation:** Supply fresh air; consult doctor in case of complaints.

**· After skin contact:** Immediately rinse with water.

**· After eye contact:** Rinse opened eye for several minutes under running water.

**· After swallowing:** If symptoms persist consult doctor.

**5. Fire-fighting Measures**

**· Suitable extinguishing agents:**

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**· Protective equipment:** No special measures required.

**6. Accidental Release Measures**

**· Person-related safety precautions:** Not required.

**· Measures for environmental protection:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

**· Measures for cleaning/collecting:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

**· Additional information:** No dangerous substances are released.

**7. Handling and Storage**

**· Handling:**

**· Information for safe handling:** No special measures required.

**· Information about fire - and explosion protection:** No special measures required.

**· Storage:**

**· Requirements to be met by storerooms and receptacles:**

Suitable material for receptacles and pipes: Stainless steel.

Use polyolefin receptacles.

**· Information about storage in one common storage facility:** Not required.

**· Further information about storage conditions:** Protect from frost.

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**8. Exposure Controls/ Personal Protection**

**· Additional information about design of technical facilities:** No further data; see item 7.

**· Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**· Additional information: The lists valid during the making were used as basis.**

**· Personal protective equipment:**

**· General protective and hygienic measures:**

**The usual precautionary measures are to be adhered to when handling chemicals.**

**· Respiratory protection:** Not required.

**· Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**· Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

**· Penetration time of glove material**

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

**· Eye protection:** Goggles recommended during refilling

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**9. Physical and Chemical Properties**

**BASIC PHYSICAL AND CHEMICAL PROPERTIES**

**· General Information**

**Form:** Fluid

**Color:** White

**Odor:** Amine-like

**· Change in condition**

**Melting point/Melting range:** ca. 0°C

**Boiling point/Boiling range:** 100°C

**· Flash point:** Not applicable.

**· Self-igniting:** Product is not self-igniting.

**· Danger of explosion:** Product does not present an explosion hazard.

**· Vapor pressure at 20°C:** 23 hPa

**· Density at 20°C:** 1.05 g/cm³

**· pH-value at 20°C: 7.0 - 8.0**

**· Viscosity:**

 **Dynamic at 20°C:** 20 - 200 mPas

**· Solvent content:**

 **Organic solvents:** 0.0 %

 **Solids content:** 33.0 - 35.0 %

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**10. Stability and Reactivity**

**· Thermal decomposition / conditions to be avoided:**

 No decomposition if used according to specifications.

**· Materials to be avoided:**

**· Dangerous reactions** No dangerous reactions known.

**· Dangerous decomposition products:** No dangerous decomposition products known.

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**11. Toxicological Information**

**Acute Toxicity** No known significant effects or critical hazards.

**Other Toxicological Information**

 **Carcinogenicity**

None applicable (No classifications or listings for any component) by ACGIH, IARC, NTP, or OSHA.

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**12. Ecological Information**

**Environmental Effects:** No known significant effects or critical hazards. See Sections 6, 7, and 8 for specific environmental control and protection information.

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**13. Disposal Considerations**

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste-disposal contractor. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains, and sewers.

**14. Transport Information**

**INTERNATIONAL TRANSPORT REGULATIONS**

**Regulatory information UN/NA Number per Shipping Name Classes/ Packing Group Reportable Quantity**

 **CFR** Non-regulated

 **TDG** Non-regulated

 **IMO/IMDG** Non-regulated

 **IATA (Cargo)** Non-regulated

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**15. Regulatory Information**

**US Regulations**

**HCS Classification** Resinous Material, Not Regulated

**US Federal Regulations**

 **SARA 311/312 Classification:** Resinous Solution. Not Regulated

 **SARA 313 Supplier Notification:** This duct contains the following toxic chemical(s) subject to the

 reporting requirements of Section313 of Title III of the Superfund Amendments and Reauthorization Act

 of 1986, and Subpart C-Supplier Notification Requirement of 40 CFR Part 372: NONE

 **SARA 302 Extremely Hazardous Substances:** None required

**California Regulations WARNING:** Contains no chemicals known to the State of California to cause cancer.

**Canada**

**WHMIS (Canada)** Class D-2B: Material causing other toxic effects.

**Canadian Lists Canadian NPRI:** None required

**Trade Secret** Component has been granted an exemption in Canada under HMIRC #7080, decision dated May 30, 2008.

**International Regulations** All components are listed or exempted in the chemical inventories of the following countries:

 Australia (AICS), Canada, China (IECSC), Japan, Korea, New Zealand (NZIoC),

 Philippines Inventory (PICCS): Not determined.

 United States: TOSCA 8b

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**16. Other Information**

**Hazardous Material Health** **1**

**Information System III Flammability 0**

**(United States) Physical Hazards 0**

 **Chronic \***

**Caution:** HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant

hazards or risks. Although HMIS ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to vide them. HMIS ratings are to be used with a fully implemented HMIS gram. HMIS is a registered mark of the National Paint & Coatings Association (NPCA). HMIS materials may be purchased exclusively from J. J> Keller (800 225-4778).

The customer is responsible for determining the PPE code for this material.

**Prepared By Advanced Surfacing Ind.**, LLC, Dallas, TX. Charles Newcomb, Regulatory Consultant

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