



**SECTION 1 – PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION**

**Manufacturer/Supplier:** ..... KATILAC COATINGS INC.  
391 HANLAN ROAD, UNIT #1, WOODBRIDGE, ONTARIO L4L 3T1  
**Phone:**..... 905-856-6464  
840 APPLEBY LINE, BURLINGTON, ONTARIO L7L 2Y7  
**Phone:**..... 905-637-2931  
www.katilaccoatings.com  
**Emergency Phone:**..... CANUTEC (24H)...1-888-CANUTEC (226-8832 North American use)  
.....1-613-996-6666 (International use)  
**Poison Control:**..... 800-268-9017  
**Revision Date:**..... October 9, 2019  
**Print Date:**..... October 9, 2019  
**Version Number:**..... 2  
**Product:** ..... AEW SERIES AQUA-ELITE WATERBORNE ACRYLIC WHITE TOPCOAT  
**Product Use:** ..... INDUSTRIAL COATING  
FOR INDUSTRIAL USE ONLY

**SECTION 2 – HAZARDS IDENTIFICATION**

**Emergency Overview**

**Target Organs:**  
None

**GHS Classification:**  
Not Classified under GHS criteria.

**GHS Label Elements, including precautionary statements:**

**Pictogram:**  
Not required

**Signal Word:**..... Not required

**Hazard Statement(s):**  
Not required

**Precautionary Statement(s):**  
Not required

**SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS**

<b>HAZARDOUS INGREDIENT</b>	<b>CAS NUMBER</b>	<b>%</b>
Dipropylene Glycol Monomethyl Ether	34590-94-8	1.00-5.00
2-propanol, 1-propoxy-	1569-01-3	3.00-7.00
Titanium Dioxide	13463-67-7	10.00-30.00
Propylene Glycol	57-55-6	1.00-5.00

Refer to Section 8 for Occupational Exposure Guidelines.

**SECTION 4 – FIRST-AID MEASURES**

**Inhalation:**

If symptoms are experienced, remove source of contamination or move victim to fresh air. Obtain medical advice.

**Ingestion:**

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Have victim drink 60-240 mL (2-8 oz.) of water. If vomiting occurs naturally, have victim rinse mouth with water again. Obtain medical advice.

**Eyes:**

No effects expected. If irritation occurs, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

**Skin:**

No health effects expected. If irritation does occur, flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, obtain medical advice.

**Note to Physician:**

Treatment should be based on sound judgement of physician and individual reactions of patient.

**SECTION 5 – FIRE-FIGHTING MEASURES**

**Extinguishing Media:**

Foam, water spray, dry chemical, carbon dioxide.

**Special Fire Fighting Procedures:**

Not available.

**Unusual Fire and Explosion Hazards:**

Sensitivity to static discharge is not expected.

**Hazardous Combustion Products:**

Carbon monoxide and/or carbon dioxide. Aldehydes, ketones, nitrogen oxides, sulphur oxides, organic acids, silicone compounds, formaldehyde, phosphorous oxides.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Beware of vapours accumulating.

**Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Dike and contain spills. Do not let product enter drains.

**Methods and Materials for Containment and Clean Up:**

Contain and/or dike spills. Absorb with inert material, place in a suitable container. Report and dispose of according to local regulations.

**SECTION 7 – HANDLING AND STORAGE**

**Storage:**

Keep container tightly closed in a dry and well-ventilated area. Containers which are opened must be carefully resealed and kept upright to prevent leakage and evaporation. Do not freeze.

**Handling:**

Use in a well ventilated area. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

**SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Threshold Limit Value:**..... 10 mg/m<sup>3</sup> ACGIH est. (Titanium Dioxide)

**Engineering Controls:**

Use local, mechanical, explosion proof exhaust and/or ventilation system to avoid exposure and vapour accumulation.

**Personal Protective Equipment:**

**Respiratory Protection:**

Where risk assessment shows air-purifying respirators are appropriate, use an approved respirator for the concentration and type of hazardous materials in the workplace. Use respirators and components tested and approved under the appropriate government standards. Use respirators as backup to engineering controls if necessary.

**Hand Protection:**

Handle with gloves to minimize skin contact. Inspect gloves prior to use. Use proper glove removal technique (without touching the glove's outer surface) to avoid skin contact with product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash hands thoroughly.

**Eye Protection:**

Safety glasses and/or face shield. Use equipment for eye protection tested and approved under the appropriate government standards.

**Protective Clothing:**

Impervious clothing. The type of protective equipment should be selected according to the concentration and amount of hazardous materials at each specific workplace.

**Additional Measures:**

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of the workday.

**SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES**

**Physical State:** ..... Liquid  
**Appearance/Odour:** ..... White with mild odour  
**Odour Threshold:** ..... Not available  
**Viscosity:** ..... 50-60 seconds #4 Ford Cup @ 25°C  
**Vapour Density (AIR=1):** ..... Not available  
**Boiling Point:** ..... >100°C  
**Melting/Freezing Point:** ..... Not available  
**Vapour Pressure:** ..... Not available  
**Evaporation Rate:** ..... Not available  
**Specific Gravity:** ..... 1.1770 +/- 0.01 gms/CC  
**Solubility in Water:** ..... No data  
**% Non-Volatile:** ..... 42% +/- 2 w/w  
 ..... 28% +/- 2 w/v  
**VOC** ..... 97 g/L  
**Coeff. Water/Oil Dist.:** ..... Not available  
**Flashpoint:** ..... Not available  
**Autoignition Temp:** ..... Not available  
**Upper Flammable Limit:** ..... Not available  
**Lower Flammable Limit:** ..... Not available

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability:**

Stable under normal conditions. Hazardous polymerization not expected.

**Hazardous Decomposition Products:**

Carbon monoxide and/or carbon dioxide. Aldehydes, ketones, silicone compounds, formaldehyde, organic acids, nitrogen and phosphorus oxides.

**Materials to Avoid:**

Avoid contact with water reactive materials, heat or contact with peroxides or other catalysts. Strong oxidizing agents. Strong acids, strong bases. Aluminum and some galvanized metals.

**Hazardous Reactions:**

No data.

**Conditions to Avoid:**

Freezing and/or cold temperatures.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Dipropylene Glycol Monomethyl Ether	5152 mg/kg	not available	-
2-propanol, 1-propoxy-	2490 mg/kg	not available	-
Titanium Dioxide	>5000 mg/kg	6.82 mg/L	4
Propylene Glycol	21800 mg/kg	>158 mg/L (aerosol)	4

**Skin corrosion/irritation:**

Not classified as a skin irritant.

**Serious eye damage/irritation:**

Not classified as an eye irritant.

**Respiratory or skin sensitization:**

Not classified as a sensitization hazard.

**Germ cell mutagenicity:**

Not expected to be mutagenic in humans.

**Carcinogenicity:**

TiO<sub>2</sub> (Titanium Dioxide) is suspected of causing cancer. IARC has classified TiO<sub>2</sub> as 2B Possibly carcinogenic to humans. However, the only evidence of carcinogenicity is in rats exposed to very high concentrations. Two major epidemiology studies among titanium dioxide workers in the US and in EUROPE could not demonstrate an elevated lung cancer risk. (1,2,3.)

*1. Boffetta et. al. Mortality among workers employed in the titanium dioxide production industry in Europe. Cancer Causes Control. 2004 Sep;15(7):697-706.*

*2. Fryzek et. al. A cohort mortality study among titanium dioxide manufacturing workers in the United States. J Occup Environ Med. 2003 Apr;45(4):400-9.*

*3. IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. IARC Monographs, Volume 93 (Summary)*

**Reproductive toxicity:**

Not classified as a reproductive toxicant.

**Teratogenicity:**

Not available.

**Specific target organ toxicity (single exposure):**

Not classified as a single exposure toxicant.

**Specific target organ toxicity (repeated exposure):**

Not classified as a repeat exposure hazard.

**Aspiration hazard:**

Not classified as an aspiration hazard.

**Potential Health Effects:**

**Inhalation:**

No significant signs or symptoms are expected. Excessive inhalation may irritate respiratory tract. Some studies have linked titanium dioxide with chronic respiratory disease. Coatings risk is due primarily to inhalation of sanding dust or respirable particles in spray mist. Studies are inconclusive.

**Ingestion:**

Not a likely route of exposure.

**Skin:**

Prolonged or repeated contact may cause irritation.

**Eyes:**

Not expected to cause eye irritation under safe, normal working conditions. Can cause slight, temporary eye irritation upon contact.

**Signs and Symptoms of Exposure:**

No symptoms expected under normal working conditions.

**Synergistic effects:**

No data.

**Additional information:**

Not available.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Environmental Fate and Distribution:**

Prevent from entering drains, sewers, streams or other bodies of water. If runoff occurs, notify authorities as required.

**Aquatoxicity:**

LC50 >1000 mg/L (Pimephales Promelas), 96H, est. (Titanium Dioxide)

LC50 >100 mg/L (Oncorhynchus Mykiss), static, 96H, OECD Test Guideline 203, est. (2-propanol, 1-propoxy-)

**Persistence and degradability:**

No data.

**Bioaccumulative potential:**

No data.

**Mobility in soil:**

No data.

**Other adverse effects:**

No data.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste disposal:**

Collect and reclaim or dispose in sealed containers at a licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Dispose of in accordance with all applicable regulations.

**Contaminated Packaging:**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since empty containers may retain product residue, follow any label warnings even after container is emptied.

**SECTION 14 – TRANSPORTATION INFORMATION**

**TDG Classification (Ground Only):** .....NON REGULATED

**Proper Shipping Name (Ground Only):** .....NON REGULATED

*A scientific determination was concluded based on formulation ingredients on October 9, 2019 to define the Transportation of Dangerous Goods Classifications.*

**SECTION 15 - REGULATIONS**

This material is included on the DLS (Canadian Domestic Substance List) under the CEPA (Canadian Environmental Protection Act).

This material has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

This material meets TSCA (Toxic Substances Control Act) inventory requirements.

Contents of this SDS comply with the OSHA Hazard Communication Standard 29CFR 1910.1200

**SECTION 16 – OTHER INFORMATION**

**LEGEND TO ABBREVIATIONS:**

CAS: ..... CHEMICAL ABSTRACT SERVICES  
IARC: ..... INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
LC: ..... LETHAL CONCENTRATION  
LD: ..... LETHAL DOSE  
TDG: ..... TRANSPORTATION OF DANGEROUS GOODS  
TLV: ..... THRESHOLD LIMIT VALUE  
VOC: ..... VOLATILE ORGANIC COMPOUND

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