



**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:**..... 1-800-268-9017

**Revision Date:**..... November 20, 2019  
**Print Date:**..... November 27, 2019  
**Version Number:**..... 5

**Product:** ..... E14 OMNIPRIME WHITE PRE-CATALYZED PRIMER  
**Product Use:** ..... WHITE PRE-CATALYZED PRIMER  
FOR INDUSTRIAL USE ONLY

**SECTION 2 – HAZARDS IDENTIFICATION**

**Emergency Overview**

**Target Organs:**

Central nervous system, eyes, skin, reproductive system, optic nerve, liver, kidney, respiratory system.

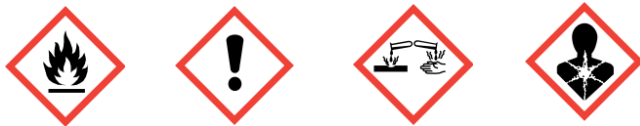
**GHS Classification:**

- Flammable Liquids (Cat. 2)
- Acute Toxicity Inhalation (Cat. 4)
- Skin Irritation (Cat. 2)
- Serious Eye Damage (Cat. 1)
- Carcinogenicity (Cat. 1A)
- Reproductive Toxicity (Cat. 1B)
- Specific Target Organ Toxicity- Single Exposure (Cat. 2) - Ingestion may damage optic nerve
- Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System
- Specific Target Organ Toxicity - Repeated Exposure (Cat. 2)

# Safety Data Sheet - E14 OMNIPRIME WHITE PRE-CATALYZED PRIMER

## GHS Label Elements, including precautionary statements:

### Pictogram:



**Signal Word:**..... **Danger**

### Hazard Statement(s):

H225: Highly flammable liquid and vapour  
H332: Harmful if inhaled  
H315: Causes skin irritation  
H318: Causes serious eye damage  
H350: May cause cancer  
H360: May damage fertility or the unborn child  
H336: May cause drowsiness or dizziness  
H371: May cause damage to organs - ingestion may damage optic nerve  
H373: May cause damage to organs through prolonged or repeated exposure

### Precautionary Statement(s):

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking  
P233: Keep container tightly closed  
P240: Ground/bond container and receiving equipment  
P241: Use explosion-proof electrical/ventilating/lighting/equipment  
P242: Use only non-sparking tools  
P243: Take precautionary measures against static discharge  
P264: Wash skin thoroughly after handling  
P260: Do not breathe dust/fume/gas/mist/vapours/spray  
P271: Use only in a well-ventilated area  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P362+364: Take off contaminated clothing and wash it before reuse  
P270: Do not eat, drink or smoke when using this product  
P202: Do not handle until all safety precautions have been read and understood  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P332+313: If skin irritation occurs: Get medical advice/attention  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P310: Immediately call a POISON CENTER or doctor/physician  
P308+313: IF exposed or concerned: Get medical advice/attention  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P308+311: IF exposed or concerned: Call a POISON CENTER/doctor  
P312: Call a POISON CENTER or doctor/physician if you feel unwell  
P403+235: Store in a well ventilated place. Keep cool  
P405: Store locked up  
P370+378: In case of fire: Use foam, water fog, dry chemical and/or carbon dioxide to extinguish  
P501: Dispose of contents/container to comply with local, provincial, state, and federal regulations

## Safety Data Sheet - E14 OMNIPRIME WHITE PRE-CATALYZED PRIMER

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

| HAZARDOUS INGREDIENT                | CAS NUMBER | %           |
|-------------------------------------|------------|-------------|
| Xylene                              | 1330-20-7  | 5.00-10.00  |
| Ethyl Benzene                       | 100-41-4   | 0.50-1.50   |
| Crystalline Silica - Quartz         | 14808-60-7 | 0.00-0.25   |
| Ethanol                             | 64-17-5    | 0.10-1.00   |
| Methanol                            | 67-56-1    | 7.00-13.00  |
| Isobutanol                          | 78-83-1    | 0.50-1.50   |
| Titanium Dioxide                    | 13463-67-7 | 7.00-13.00  |
| Hydrous Magnesium Silicate          | 14807-96-6 | 10.00-30.00 |
| Butanol                             | 71-36-3    | 3.00-7.00   |
| Acetone                             | 67-64-1    | 10.00-30.00 |
| n-Butyl Acetate                     | 123-86-4   | 5.00-10.00  |
| Nitrocellulose                      | 9004-70-0  | 5.00-10.00  |
| Isopropanol                         | 67-63-0    | 1.00-5.00   |
| Urea P/W Formaldehyde, isobutylated | 68002-18-6 | 0.50-1.50   |
| Di(2-ethylhexyl)Phthalate           | 117-81-7   | 1.00-5.00   |

Refer to Section 8 for Occupational Exposure Guidelines.

### SECTION 4 – FIRST-AID MEASURES

#### Inhalation:

This product is (extremely) flammable. Take proper precautions (e.g. remove any sources of ignition). If breathing is stopped, trained personnel should begin artificial respiration (AR) or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Quickly transport victim to an emergency care facility.

#### Ingestion:

Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. 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. Immediately obtain medical attention.

#### Eyes:

Quickly and gently blot or brush chemical off the face. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. If a contact lens is present, do not delay irrigation or attempt to remove the lens. Take care not to rinse contaminated water into the unaffected eye or onto the face. Immediately obtain medical attention.

#### Skin:

As quickly as possible, remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Immediately flush with lukewarm, gently flowing water for 15-20 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes and leather goods before reuse or discard. Immediately obtain medical attention. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

#### Note to Physician:

Treatment should be based on sound judgement of physician and individual reactions of patient. Contact poison control centre for additional treatment information.

**SECTION 5 – FIRE-FIGHTING MEASURES**

**Extinguishing Media:**

Carbon dioxide, alcohol foam, water fog, dry chemical.

**Special Fire Fighting Procedures:**

Use water spray to cool fire-exposed containers or structures.

**Unusual Fire and Explosion Hazards:**

Vapours and/or fumes from this product are heavier than air and may travel to a source of ignition and flash back causing explosion and fire. Never use welding or cutting torch on, or near drum (even empty) as product (even residue) can ignite explosively. All containers, including pails, drums, tank cars & trucks should be grounded and/or bonded when material is transferred. When using this product it is important that the gas at main leading to the premises must be shut off. All other ignition sources must be completely eliminated. In reference to the Ontario Fire Code Section 4.1.5.9(1), states that this product shall not be stored, handled or used in basements or pits.

**Hazardous Combustion Products:**

Carbon monoxide and/or carbon dioxide. Nitrogen oxides, gaseous hydrogen chloride, phosphorous oxides.

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:**

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations.

**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.

**Handling:**

Use in a well ventilated area. Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use explosion-proof tools, equipment, and ventilation system. Keep away from sources of ignition. Take measures to prevent the build-up of electrostatic charge. Always ground and bond containers.

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

**Threshold Limit Value:**..... 5 mg/m3 ACGIH est. (Di(2-ethylhexyl)Phthalate)

## Safety Data Sheet - E14 OMNIPRIME WHITE PRE-CATALYZED PRIMER

### 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, flame retardant, antistatic protective 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 solvent odour  
**Odour Threshold:** ..... Not available  
**Viscosity:** ..... 80-100 seconds #4 Ford Cup @ 25°C  
**Vapour Density (AIR=1):** ..... Not available  
**Boiling Point:** ..... 56°C est. (Acetone)  
**Melting/Freezing Point:** ..... Not available  
**Vapour Pressure:** ..... Not available  
**Evaporation Rate:** ..... Not available  
**Specific Gravity:** ..... 1.2039 +/- 0.01 gms/cc @ 25°C  
**Solubility in Water:** ..... Insoluble  
**Total VOC's:** ..... 510 grams per litre  
**% Non-Volatile:** ..... 52% +/- 2% w/w  
..... 29% +/- 2% w/v  
**Coeff. Water/Oil Dist.:** ..... Not available  
  
**Flashpoint:** ..... -16.99°C est. (Acetone)  
**Autoignition Temp:** ..... 343°C est. (Butanol)  
**Upper Flammable Limit:** ..... 36.0% est. (Methanol)  
**Lower Flammable Limit:** ..... 0.28% est. (Di(2-ethylhexyl)Phthalate)

**SECTION 10 – STABILITY AND REACTIVITY**

**Stability:**

Stable, except under fire conditions.

**Hazardous Decomposition Products:**

Carbon monoxide and/or carbon dioxide. Acetic acid, butyl alcohol, nitrogen and phosphorous oxides.

**Materials to Avoid:**

Strong oxidizing agents, ammonia, reducing agents, strong acids, strong bases, potassium tert-butoxide, strong alkalies, amines. May attack some types of metals and metal alloys, rubber and plastic. Phosphorous oxychloride, peroxides, isocyanates, aluminum.

**Hazardous Reactions:**

No data.

**Conditions to Avoid:**

Heat, flames and sparks.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

| HAZARDOUS INGREDIENT                | LD50                                      | LC50   | HRS |
|-------------------------------------|---|--|-----|
| Xylene                              | 3523 mg/kg                                | 5000 ppm                                     | 4   |
| Ethyl Benzene                       | 3500 mg/kg                                | 4000 ppm                                     | 4   |
| Crystalline Silica - Quartz         | 500 mg/kg                                 | not available                                | -   |
| Ethanol                             | 7060 mg/kg                                | 31623 ppm                                    | 4   |
| Methanol                            | 5628 mg/kg                                | 64000 ppm                                    | 4   |
| Isobutanol                          | 2500 mg/kg                                | >8000 ppm                                    | 4   |
| Titanium Dioxide                    | >5000 mg/kg                               | 6.82 mg/L                                    | 4   |
| Hydrous Magnesium Silicate          | not available                             | not available                                | -   |
| Butanol                             | 790 mg/kg                                 | 8000 ppm                                     | 4   |
| Acetone                             | 5800 mg/kg                                | 50100 mg/m3                                  | 8   |
| n-Butyl Acetate                     | 10760 mg/kg                               | 160-2000                                     | 4   |
| Nitrocellulose                      | >5000 mg/kg                               | not available                                | -   |
| Isopropanol                         | >5840 mg/kg                               | 30 mg/L                                      | 4   |
| Urea P/W Formaldehyde, isobutylated | >2000 mg/kg                               | >5 mg/L                                      | 4   |
| Di(2-ethylhexyl)Phthalate           | 30000 mg/kg                               | >10.62 mg/L                                  | 4   |
|                                     | 17% of total product has unknown toxicity | 24.47% of total product has unknown toxicity |     |

**Skin corrosion/irritation:**

Rabbit - skin irritation - 24 hour

**Serious eye damage/irritation:**

A component of this product tested: Rabbit - blindness - OECD test guideline 405

**Respiratory or skin sensitization:**

Not classified as a sensitization hazard.

**Germ cell mutagenicity:**

Not expected to be mutagenic in humans.

## Safety Data Sheet - E14 OMNIPRIME WHITE PRE-CATALYZED PRIMER

### **Carcinogenicity:**

IARC has classified Crystalline Silica Quartz as carcinogenic to humans, Group 1.

IARC has classified Ethyl Benzene as a possible human carcinogen, Group 2B.

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)*

IARC has classified Di(2-ethylhexyl)Phthalate as a possible human carcinogen, Group 2B. The data available from epidemiological studies is inadequate to evaluate the relationship between human cancer and exposure specifically to DEHP (IARC 1982).

### **Reproductive toxicity:**

Excessive exposure during pregnancy may be hazardous to the developing fetus. May cause fetotoxic effects both in the presence and absence of maternal toxicity, based on animal studies.

### **Teratogenicity:**

May cause teratogenic/embryotoxic effects at high doses.

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

Ingestion may cause damage to the optic nerve. May cause central nervous system depression.

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

Classified as a repeat exposure hazard.

### **Aspiration hazard:**

Not classified as an aspiration hazard.

### **Potential Health Effects:**

#### **Inhalation:**

Prolonged exposure to high vapour concentration can lead to central nervous system depression. Signs of this include headache, nausea, dizziness, blurred vision and incoordination. Some studies have linked titanium dioxide and crystalline silica quartz with chronic respiratory disease. Coatings risk is due primarily to inhalation of sanding dust or respirable particles in spray mist. Studies are inconclusive.

#### **Ingestion:**

Causes irritation, burning sensation of the mouth, throat, and respiratory tract and abdominal pain. May cause liver damage, kidney damage, central nervous system (cns) depression, headache, dizziness, diarrhea, nausea, and vomiting. Contains Methanol. Cannot be made non-poisonous. Swallowing even small amounts of Methanol can cause blindness.

#### **Skin:**

Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

#### **Eyes:**

May cause severe irritation, redness, tearing, burning sensation, swelling and/or blurred vision. May cause corneal damage.

### **Signs and Symptoms of Exposure:**

Can cause central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.

## Safety Data Sheet - E14 OMNIPRIME WHITE PRE-CATALYZED PRIMER

### **Synergistic effects:**

No data.

### **Additional information:**

Contains Methanol. Cannot be made non-poisonous. Swallowing even small amounts of Methanol can cause blindness. May cause central nervous system (CNS) depression. CNS depression is characterized by headache, dizziness, nausea, vomiting and incoordination.

## 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.

### **Aquatic toxicity:**

LC50 (Pimephales Promelas) 18 mg/L, OECD Test Guideline 203, 96H est. (n-Butyl Acetate)

LC50 (Pimephales Promelas) >0.67 mg/L, 96H est. (Di(2-ethylhexyl)Phthalate)

### **Persistence and degradability:**

No data.

### **Bioaccumulative potential:**

No data.

### **Mobility in soil:**

No data.

### **Other adverse effects:**

May be harmful to aquatic life.

## 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):** .....CLASS 3 UN1263 II

**Proper Shipping Name (Ground Only):** .....PAINT

*A scientific determination was concluded based on formulation ingredients on November 20, 2019 to define the Transportation of Dangerous Goods Classifications.*



# Safety Data Sheet - E14 OMNIPRIME WHITE PRE-CATALYZED PRIMER

## 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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