KATILAC COATINGS INC.

Where quality is ingrained

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:..... June 19, 2018
Print Date:..... March 4, 2020
Version Number:..... 5

Product: ..... EK SERIES KATILAC CLEAR PRE-CATALYZED LACQUER
Product Use: ..... INDUSTRIAL COATING
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:
Central nervous system, lungs, liver, kidney

GHS Classification:
Flammable Liquids (Cat. 2)
Skin Irritation (Cat. 2)
Serious Eye Damage (Cat. 1)
Carcinogenicity (Cat. 2)
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, Respiratory Irritation
Specific Target Organ Toxicity - Repeated Exposure (Cat. 2) - Liver, kidney
Aspiration Hazard (Cat. 1)

GHS Label Elements, including precautionary statements:

Pictogram:

Signal Word:..... Danger

Hazard Statement(s):
H225: Highly flammable liquid and vapour
H315: Causes skin irritation
H318: Causes serious eye damage
H351: Suspected of causing cancer
H360: May damage fertility or the unborn child
H336: May cause drowsiness or dizziness
H335: May cause respiratory irritation
H371: May cause damage to organs - ingestion may damage optic nerve
H373: May cause damage to organs through prolonged or repeated exposure
H304: May be fatal if swallowed and enters airways

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
P280: Wear protective gloves/protective clothing/eye protection/face protection
P362+364: Take off contaminated clothing and wash it before reuse
P264: Wash skin thoroughly after handling
P260: Do not breathe dust/fume/gas/mist/vapours/spray
P271: Use only in a well-ventilated area
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
P302+352: IF ON SKIN: Wash with soap and water
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
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
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331: Do NOT induce vomiting
P370+378: In case of fire: Use foam, water fog, dry chemical and/or carbon dioxide to extinguish
P403+233: Store in a well ventilated place. Keep container tightly closed
P405: Store locked up
P501: Dispose of contents/container to comply with local, provincial, state, and federal regulations

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%
Toluene	108-88-3	10.00-30.00
Butanol	71-36-3	3.00-7.00
n-Butyl Acetate	123-86-4	10.00-30.00
Ethyl Alcohol	64-17-5	5.00-10.00
Methanol	67-56-1	0.50-1.50
Ethyl Acetate	141-78-6	10.00-30.00
Xylene	1330-20-7	0.00-1.00
Ethyl Benzene	100-41-4	0.00-1.00
1,2,4-trimethylbenzene	95-63-6	0.10-1.00
Isobutanol	78-83-1	1.00-5.00
Nitrocellulose	9004-70-0	5.00-10.00
Isopropanol	67-63-0	1.00-5.00
Urea P/W Formaldehyde, isobutylated	68002-18-6	1.00-5.00
Melamine P/W Formaldehyde, butylated	68002-25-5	1.00-5.00
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). Take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment, use the buddy system). 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. Do not induce vomiting. Have victim drink 60-240 mL (2-8 oz.) of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. 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 at least 30 minutes, while holding the eyelid(s) open. If a contact lens is present, do not delay irrigation or attempt to remove the lens. Neutral saline solution may be used as soon as it is available. Do not interupt flushing. If necessary, continue flushing during transport to emergency care facility. Take care not to rinse contaminated water into the unaffected eye or onto face. Quickly transport victim to a emergency care facility.

Skin:
Remove contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently, blot or brush away excess chemical. Wash gently and thoroughly with lukewarm gently flowing water and non-abrasive soap for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decominate 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. Consult a poison control centre for guidance. 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. Avoid static discharge conditions.

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 oxide, ammonia, formaldehyde, oxides of phosphorous and silicone compounds.

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)

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 PROPERITES

Physical State: ..... Liquid
Appearance/Odour: ..... Clear, colourless with solvent odour
Odour Threshold: ..... Not available
Viscosity:..... 20-25 seconds @ 25°C #4 Ford Cup
Vapour Density (AIR=1): ..... Heavier than air
Boiling Point: ..... 74-79°C est. (Ethyl Alcohol)
Melting/Freezing Point: ..... Not available
Vapour Pressure:..... Not available
Evaporation Rate: ..... Not available
Specific Gravity: ..... 0.9496 +/- 0.01 gms/cc @ 25°C
Solubility in Water: ..... Not available
Total VOC's: ..... 693 grams per litre
% Non-Volatile: ..... 27% +/- 2 w/w
..... 20% +/- 2 w/v
Coeff. Water/Oil Dist.:..... Not available

Flashpoint: ..... -4.5°C C.C. est. (Ethyl Acetate)
Autoignition Temp:..... 343°C est. (Butanol)
Upper Flammable Limit:..... 36% est. (Methanol)
Lower Flammable Limit: ..... 0.28% est. (Di(2-ethylhexyl)Phthalate)

SECTION 10 – STABILITY AND REACTIVITY

Stability:
Stable.

Hazardous Decomposition Products:
Carbon monoxide and/or carbon dioxide. Nitrogen oxide, formaldehyde, ammonia, and oxides of phosphorous.

Materials to Avoid:
Avoid natural, butyl, neoprene rubbers, nitrile rubber & pvc. Strong oxidizing agents, strong reducing agents and strong bases. Amines and ammonia. Potassium tert-butoxide and lithium aluminum.

Hazardous Reactions:
No data.

Conditions to Avoid:
Heat, flames and sparks.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Toluene	>5580 mg/kg	12500-28800 mg/m3	4
Butanol	790 mg/kg	8000 ppm	4
n-Butyl Acetate	10768 mg/kg	160-9312 ppm	4
Ethyl Alcohol	7060 mg/kg	31623 ppm	4
Methanol	5628 mg/kg	64000 ppm	4
Ethyl Acetate	5620 mg/kg	19600 ppm	4
Xylene	3523 mg/kg	5000 ppm	4
Ethyl Benzene	3500 mg/kg	4000 ppm	4
1,2,4-trimethylbenzene	not available	not available	-
Isobutanol	2500 mg/kg	>8000 ppm	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
Melamine P/W Formaldehyde, butylated	>5000 mg/kg	not available	-
Di(2-ethylhexyl)Phthalate	30000 mg/kg	>10.62 mg/L	4

Skin corrosion/irritation:
Rabbit - skin irritation - 24 hour

Serious eye damage/irritation:
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.

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

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:
Components of this material have been shown to cause harm to the fetus in lab animal studies, including statistically reduced mean litter size and implantation sites, and abnormalaties in musculoskeletal system. Experiments have shown reproductive toxicity effects in both male and female lab animals.

Teratogenicity:
May cause fetotoxic and/or embryotoxic effects at maternally toxic levels.

Specific target organ toxicity (single exposure):
May cause central nervous system depression. May cause respiratory system irritation. Ingestion may cause damage to the optic nerve.

Specific target organ toxicity (repeated exposure):
May cause liver and/or kidney effects.

Aspiration hazard:
Classified as an aspiration hazard.

Potential Health Effects:

Inhalation:
Excessive inhalation of vapours can cause nasal and respiratory irritation and central nervous system effects, including dizziness, weakness, fatigue, nausea, headache, blurred vision and possible unconsciousness.

Ingestion:
Causes irritation, a burning sensation of the mouth, throat and abdominal pain. May cause central nervous system (cns) depression, dizziness, headache, diarrhea, nausea and vomiting. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Contains methanol. Cannot be made non-poisonous. Swallowing even small amounts can cause blindness.

Skin:
Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning sensation, drying and cracking of skin.

Eyes:
May be corrosive to the eyes. Irritating, may cause a burning sensation, redness, swelling, and/or blurred vision.

Signs and Symptoms of Exposure:
Overexposure can cause central nervous system depression, skin irritation, reproductive effects and eye damage.

Synergistic effects:
Not available.

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

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 (Pimephales Promelas) >0.67 mg/L, 96H est. (Di(2-ethylhexyl)Phthalate)
LC50 (Lepomis Macrochirus) >0.20 mg/L, 96H est. (Di(2-ethylhexyl)Phthalate)

Persistence and degradability:
No data.

Bioaccumulative potential:
3 d bioconcentration factor (BCF): 30 est. (Ethyl Acetate)

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): .....CLASS 3 UN1263 II
Proper Shipping Name (Ground Only): .....PAINT

A scientific determination was concluded based on formulation ingredients on June 19, 2018 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

The information contained in this form is based on data from sources considered to be reliable but Katilac Coatings Inc. does not guarantee the accuracy or completeness thereof. The information is provided as a service to persons purchasing or using the material to which it refers and Katilac Coatings Inc. expressly disclaims all liability for loss or damage, including consequential loss, or for injury to persons (including death) arising directly or indirectly from reliance upon the information or use of the material.