



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
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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 21, 2018
Print Date:..... November 21, 2018
Version Number:..... 3

Product: KV SERIES PUREVAR FORMALDEHYDE FREE CONVERSION VARNISH
Product Use: INDUSTRIAL COATING
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:

Central nervous system, eyes, skin, reproductive system, optic nerve.

GHS Classification:

Flammable Liquids (Cat. 2)

Skin Irritation (Cat. 2)

Serious Eye Damage (Cat. 1)

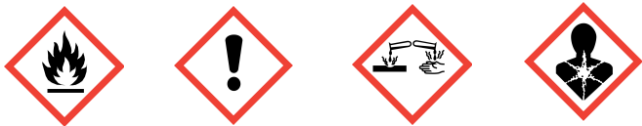
Reproductive Toxicity (Cat. 2)

Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System

Specific Target Organ Toxicity- Single Exposure (Cat. 2) - Ingestion may damage optic nerve

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
H361: Suspected of damaging fertility or the unborn child
H336: May cause drowsiness or dizziness
H371: May cause damage to organs - ingestion may damage optic nerve

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
P271: Use only in a well-ventilated area
P260: Do not breathe dust/fume/gas/mist/vapours/spray
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
P264: Wash skin thoroughly after handling
P362+364: Take off contaminated clothing and wash it before reuse
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
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
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

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%
Ethanol	64-17-5	5.00-10.00
Methanol	67-56-1	0.50-1.50
n-Butyl Acetate	123-86-4	15.00-40.00
1-methoxy-2-propanol	107-98-2	1.00-5.00
2-heptanone	110-43-0	0.00-5.00
Solvent Naphtha (Petroleum) Light Aromatic	64742-95-6	0.00-1.50
1,2,4-trimethylbenzene	95-63-6	0.00-1.00
Butanol	71-36-3	5.00-10.00

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. 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:

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:

Remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Flush with lukewarm, gently flowing water for 5 minutes. If irritation persists, repeat flushing. Obtain medical advice. Completely decontaminate clothing, shoes and leather goods before reuse or discard.

Note to Physician:

Consult a Poison Control Centre for guidance. Treatment should be based on sound judgement of physician and individual reactions of patient.

SECTION 5 – FIRE-FIGHTING MEASURES

Extinguishing Media:

Foam, water fog, dry chemical, carbon dioxide.

Special Fire Fighting Procedures:

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

Unusual Fire and Explosion Hazards:

Avoid static discharge conditions. 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 and possibly irritating gases. Nitrogen oxide.

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:..... 25 ppm ACGIH est. (1,2,4 Trimethylbenzene)

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: Clear, colourless with solvent odour
Odour Threshold: Not available
Viscosity: 20-30 seconds #4 Ford Cup @ 25°C
Vapour Density (AIR=1): Not available
Boiling Point: 74-79°C est. (Ethanol)
Melting/Freezing Point: Not available
Vapour Pressure: Not available
Evaporation Rate: Not available
Specific Gravity: 0.9763 +/- 0.01 gms/cc @ 25°C
Solubility in Water: Not available
Total VOC's: 555 g/L
% Non-Volatile: 43% +/- 2 w/w
..... 35% +/- 2 w/v
Coeff. Water/Oil Dist.: Not available

Flashpoint: 11-13°C C.C. est.
Autoignition Temp: 277.8°C est. (1-methoxy-2-propanol)
Upper Flammable Limit: 20.0% est. (Ethanol)
Lower Flammable Limit: 1.7% est. (n-Butyl Acetate)

SECTION 10 – STABILITY AND REACTIVITY
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Stability:

Stable.

Hazardous Decomposition Products:

Carbon monoxide and/or carbon dioxide. Nitrogen oxide and fumes.

Materials to Avoid:

Strong oxidizing agents, strong reducing agents, strong bases, ammonia, amines.

Hazardous Reactions:

No data.

Conditions to Avoid:

Heat, flames and sparks.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Ethanol	7060 mg/kg	31623 ppm	4
Methanol	5628 mg/kg	64000 ppm	4
n-Butyl Acetate	10760 mg/kg	160-2000 ppm	4
1-methoxy-2-propanol	11700 mg/kg	19843 ppm	4
2-heptanone	1600 mg/kg	>16.7 mg/L	4
Solvent Naphtha (Petroleum) Light Aromatic	5000 mg/kg	5.2 mg/L	4
1,2,4-trimethylbenzene	6000 mg/kg	not available	-
Butanol	790 mg/kg	8000 ppm	4

Skin corrosion/irritation:

Classified as a skin irritant.

Serious eye damage/irritation:

Rabbit - eye irritation – 24 hour

Respiratory or skin sensitization:

Not classified as a sensitization hazard.

Germ cell mutagenicity:

Not expected to be mutagenic in humans.

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:

Excessive exposure during pregnancy may be hazardous to the developing fetus. May cause fetotoxic effects at doses which are not maternally toxic, based on animal studies. Relevance to humans is not established. Alcoholic beverage consumption (Ethanol) has been associated with birth defects in humans.

Teratogenicity:

Components of this product may cause teratogenic effects.

Specific target organ toxicity (single exposure):

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

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:**

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:

May cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache, dizziness, fatigue, and central nervous system depression. Contains Methanol. Cannot be made non-poisonous. Swallowing even small amounts of Methanol can cause blindness.

Skin:

Prolonged and repeated contact can cause skin irritation and/or drying.

Eyes:

May cause severe irritation, redness, tearing, blurred vision.

Signs and Symptoms of Exposure:

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

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.

Aquaticity:

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

LC50 (pimephales promelas) 28200 mg/L, 96H, flow-through, est. (Methanol)

Persistence and degradability:

Not available.

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 21, 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

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