



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:..... January 21, 2021
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Version Number:..... 4

Product: PHF SERIES PINNACLE CONVERSION VARNISH
Product Use: INDUSTRIAL COATING
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:

Respiratory system, central nervous system, skin, eyes.

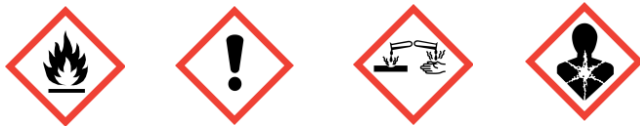
GHS Classification:

Flammable Liquids (Cat. 3)
Acute Toxicity Inhalation (Cat. 4)
Skin Irritation (Cat. 2)
Serious Eye Damage (Cat. 1)
Skin Sensitizer (Cat. 1A)
Carcinogenicity (Cat. 1)
Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System

Safety Data Sheet - PHF SERIES PINNACLE CONVERSION VARNISH

GHS Label Elements, including precautionary statements:

Pictogram:



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

Hazard Statement(s):

H226: Flammable liquid and vapour

H332: Harmful if inhaled

H315: Causes skin irritation

H318: Causes serious eye damage

H317: May cause an allergic skin reaction

H350: May cause cancer

H336: May cause drowsiness or dizziness

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

P261: Avoid breathing dust/fume/gas/mist/vapours/spray

P271: Use only in a well-ventilated area

P264: Wash skin thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

P362+364: Take off contaminated clothing and wash it before reuse

P272: Contaminated work clothing should not be allowed out of the workplace

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

P333+313: If skin irritation or a rash occurs: Get medical advice/attention

P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTER or doctor/physician if you feel unwell

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

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	%
n-Butyl Acetate	123-86-4	15.00-40.00
Butanol	71-36-3	3.00-7.00
2-methoxy-1-methylethyl Acetate	108-65-6	1.00-5.00
1-methoxy-2-propanol	107-98-2	1.00-5.00
Isobutanol	78-83-1	3.00-7.00
Urea P/W Formaldehyde, Isobutylated	68002-18-6	7.00-13.00
Formaldehyde	50-00-0	0.10-1.00
Melamine P/W Formaldehyde, butylated	68002-25-5	3.00-7.00

Refer to Section 8 for Occupational Exposure Guidelines.

SECTION 4 – FIRST-AID MEASURES

Inhalation:

Remove source of contamination or move victim to fresh air. If breathing is difficult, trained personnel should administer emergency oxygen. 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:

Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding eyelid(s) open. Obtain medical advice.

Skin:

Avoid direct contact. Wear chemical protective clothing if necessary. As quickly as possible remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts) quickly and gently blot or brush away excess chemical. Immediately wash with lukewarm, gently flowing water for at least 30 minutes. Do not interrupt flushing. If necessary, and it can be done safely, continue flushing during transport to emergency care facility.

Note to Physician:

Treatment 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.

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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. Silicone compounds, formaldehyde, ammonia, nitrogen 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: 50 ppm ACGIH est. (n-Butyl Acetate)

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.

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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: 30-35 seconds @ 25°C #4 Ford Cup
Vapour Density (AIR=1): Not available
Boiling Point: 118°C est. (Butanol)
Melting/Freezing Point: Not available
Vapour Pressure: Not available
Evaporation Rate: Not available
Specific Gravity: 1.3600 +/- 0.01 gms/cc @ 25°C
Solubility in Water: Not available
% Non-Volatile: 53% +/- 2 w/w
..... 47% +/- 2 w/v
VOC 475 g/L
Coeff. Water/Oil Dist.: Not available
Flashpoint: 23°C C.C. est.
Autoignition Temp: 277°C est.
Upper Flammable Limit: 13.8% est. (1-methoxy-2-propanol)
Lower Flammable Limit: <1% est.

SECTION 10 – STABILITY AND REACTIVITY

Stability:

Stable.

Hazardous Decomposition Products:

Carbon monoxide and/or carbon dioxide. Acetic acid, butyl alcohol, nitrogen oxide, ammonia, formaldehyde.

Materials to Avoid:

Strong oxidizers, strong reducing agents, strong bases, potassium tert-butoxide, alkali metals, halogens, strong acids, amines.

Hazardous Reactions:

No data.

Conditions to Avoid:

Heat, flames and sparks.

SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
n-Butyl Acetate	10760 mg/kg	160-2000 ppm	4
Butanol	790 mg/kg	8000 ppm	4
2-methoxy-1-methylethyl Acetate	8532 mg/kg	not available	-
1-methoxy-2-propanol	11700 mg/kg	19843 ppm	4
Isobutanol	2460 mg/kg	>8000 ppm	4
Urea P/W Formaldehyde, Isobutylated	>2000 mg/kg	>5 mg/L	4
Formaldehyde	100 mg/kg	250-478 ppm	4
Melamine P/W Formaldehyde, butylated	>5000 mg/kg	not available	-

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:

Classified as a skin sensitizer.

Germ cell mutagenicity:

Not expected to be mutagenic in humans.

Carcinogenicity:

IARC has classified Formaldehyde as a human carcinogen, Group 1.

Reproductive toxicity:

Not classified as a reproductive toxicant.

Teratogenicity:

No adverse effects are anticipated.

Specific target organ toxicity (single exposure):

May cause central nervous system depression.

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.

Skin:

Prolonged and repeated contact can cause defatting and drying of the skin resulting in irritation and dermatitis.

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Eyes:

Can cause severe irritation. Symptoms include stinging, tearing, redness, swelling and blurred vision. May cause conjunctivitis.

Signs and Symptoms of Exposure:

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

Synergistic effects:

Not available.

Additional information:

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 (Salmo Gairdneri) 100-180 mg/L, 96H, OECD Test Guideline 203, est. (2-methoxy-1-methylethyl Acetate)

Persistence and degradability:

No data.

Bioaccumulative potential:

No data.

Mobility in soil:

No data.

Other adverse effects:

May be toxic 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 III

Proper Shipping Name (Ground Only):PAINT

A scientific determination was concluded based on formulation ingredients on April 7, 2020 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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