



SECTION 1 – PRODUCT IDENTIFICATION AND COMPANY IDENTIFICATION

Manufacturer/Supplier: KATILAC COATINGS INC.
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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 13, 2021
Print Date:..... January 13, 2021
Version Number:..... 5

Product: DHS SERIES SUMMIT CLEAR CONVERSION VARNISH
Product Use: INDUSTRIAL COATING
FOR INDUSTRIAL USE ONLY

SECTION 2 – HAZARDS IDENTIFICATION

Emergency Overview

Target Organs:

Respiratory system, reproductive system, eyes, skin.

GHS Classification:

- Flammable Liquids (Cat. 3)
- Acute Toxicity Inhalation (Cat. 3)
- Skin Irritation (Cat. 2)
- Serious Eye Damage (Cat. 1)
- Skin Sensitizer (Cat. 1)
- Carcinogenicity (Cat. 1)
- Reproductive Toxicity (Cat. 2)

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GHS Label Elements, including precautionary statements:

Pictogram:



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

Hazard Statement(s):

- H226: Flammable liquid and vapour
- H331: Toxic if inhaled
- H315: Causes skin irritation
- H318: Causes serious eye damage
- H317: May cause an allergic skin reaction
- H350: May cause cancer
- H361: Suspected of damaging fertility or the unborn child

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
- P260: Do not breathe 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
- 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
- P362+364: Take off contaminated clothing and wash it before reuse
- P272: Contaminated work clothing should not be allowed out of the workplace
- 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
- P311: 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 | % |
|--------------------------------------|------------|-------------|
| Xylene | 1330-20-7 | 10.00-30.00 |
| Ethyl Benzene | 100-41-4 | 3.00-7.00 |
| Toluene | 108-88-3 | 0.10-1.00 |
| Urea P/W Formaldehyde, isobutylated | 68002-18-6 | 10.00-30.00 |
| Formaldehyde | 50-00-0 | 0.10-1.00 |
| Isobutanol | 78-83-1 | 7.00-13.00 |
| Butanol | 71-36-3 | 1.00-5.00 |
| Melamine P/W Formaldehyde, butylated | 68002-25-5 | 5.00-10.00 |
| 2-methoxy-1-methylethyl Acetate | 108-65-6 | 1.00-5.00 |

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 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:

Avoid direct contact. Wear chemical protective clothing if necessary. Remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Flush with lukewarm, gently flowing water for 5 minutes.

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 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:

Avoid static discharge conditions. Vapours formed from this product may travel or be moved by air currents and ignited by pilot lights, light switches, other flames, smoking, sparks, heaters, electrical equipment, static discharges or other ignition sources at locations close or distant from the product. 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. Ammonia, formaldehyde, and 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:..... 100 PPM ACGIH est. (Xylene)
0.3 PPM ACGIH Ceiling est. (Formaldehyde)

Engineering Controls:

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

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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: 75-85 seconds #4 Ford Cup @ 25°C
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: 1.0073 +/- 0.01 gms/cc @ 25°C
Solubility in Water: Not available
Total VOC's: 427 grams per litre
% Non-Volatile: 60% +/- 2 w/w
..... 52% +/- 2 w/v
Coeff. Water/Oil Dist.: Not available
Flashpoint: 27°C T.C.C. est. (Xylene)
Autoignition Temp: Not available.
Upper Flammable Limit: 11.2% est. (Butanol)
Lower Flammable Limit: 1.0% est. (Xylene)

SECTION 10 – STABILITY AND REACTIVITY

Stability:

Stable.

Hazardous Decomposition Products:

Carbon monoxide and/or carbon dioxide. Formaldehyde, ammonia, and nitrogen oxide.

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Materials to Avoid:

Strong oxidizing agents, strong acids, strong bases, amines, halogens, alkalies. Copper, aluminum, zinc and their alloys.

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 |
| Toluene | 5600 mg/kg | 8000 ppm | 4 |
| Urea P/W Formaldehyde, isobutylated | >2000 mg/kg | >5 mg/L | - |
| Formaldehyde | 100 mg/kg | 250-478 ppm | 4 |
| Isobutanol | 2460 mg/kg | >8000 ppm | 4 |
| Butanol | 790 mg/kg | 8000 ppm | 4 |
| Melamine P/W Formaldehyde, butylated | >5000 mg/kg | not available | - |
| 2-methoxy-1-methylethyl Acetate | 8532 mg/kg | not available | - |
| . | . | 11% of total product has unknown toxicity | . |

Skin corrosion/irritation:

Rabbit - skin irritation - 24 hour

Serious eye damage/irritation:

Components 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 Ethyl Benzene as a possible human carcinogen, Group 2B.

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

Reproductive toxicity:

Excessive exposure during pregnancy may be hazardous to the developing fetus.

Teratogenicity:

May cause teratogenic/embryotoxic effects at high doses.

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.

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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.

Eyes:

May cause severe irritation, redness, tearing, blurred vision. Can cause corneal injury.

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:

Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. Blood platelet count may be reduced on exposure to xylene which is reversible when exposure is stopped.

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) 13.4 mg/L, flow-through, 96H, est. (Xylene)

LC50 (Oncorhynchus Mykiss) 1120-1520 mg/L, 96H, est. (Isobutanol)

Persistence and degradability:

No data.

Bioaccumulative potential:

No data.

Mobility in soil:

No data.

Other adverse effects:

May be toxic to aquatic life with potentially long lasting effects.

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 January 13, 2021 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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