



**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 20, 2021  
**Print Date:**..... January 20, 2021  
**Version Number:**..... 4

**Product:** ..... D SERIES KATIVAR PLUS CLEAR CONVERSION VARNISH  
**Product Use:** ..... INDUSTRIAL COATING  
FOR INDUSTRIAL USE ONLY

**SECTION 2 – HAZARDS IDENTIFICATION**

**Emergency Overview**

**Target Organs:**

Kidney, liver, reproductive system, central nervous system, respiratory system, eyes, skin.

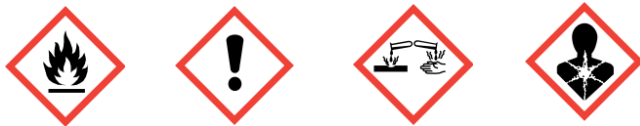
**GHS Classification:**

- Flammable Liquids (Cat. 3)
- Skin Irritation (Cat. 2)
- Serious Eye Damage (Cat. 1)
- Skin Sensitizer (Cat. 1A)
- Carcinogenicity (Cat. 1)
- Reproductive Toxicity (Cat. 2)
- Specific Target Organ Toxicity- Single Exposure (Cat. 3) - Central Nervous System, Respiratory Irritation
- Specific Target Organ Toxicity - Repeated Exposure (Cat. 2) - Liver, kidney

# Safety Data Sheet - D SERIES KATIVAR PLUS CLEAR CONVERSION VARNISH

## GHS Label Elements, including precautionary statements:

### Pictogram:



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

### Hazard Statement(s):

- H226: Flammable liquid and vapour
- 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
- H336: May cause drowsiness or dizziness
- H335: May cause respiratory irritation
- 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
- 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
- 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
- P312: Call a POISON CENTER or doctor/physician if you feel unwell
- 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	5.00-13.00
Formaldehyde	50-00-0	0.00-0.25
Isobutanol	78-83-1	3.00-10.00
Butanol	71-36-3	3.00-7.00
Melamine P/W Formaldehyde, butylated	68002-25-5	3.00-7.00
1-methoxy-2-propanol	107-98-2	0.50-1.50
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:**

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 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 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 interrupt 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 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.

**SECTION 5 – FIRE-FIGHTING MEASURES**

**Extinguishing Media:**

Foam, water fog, dry chemical, carbon dioxide.

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### 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. 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:**..... 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.

### 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:** ..... 25-30 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:** ..... 0.9900 +/- 0.01 gms/cc @ 25°C  
**Solubility in Water:** ..... Not available  
**Total VOC's:** ..... 455 grams per litre  
**% Non-Volatile:** ..... 54% +/- 2 w/w  
..... 43% +/- 2 w/v  
**Coeff. Water/Oil Dist.:** ..... Not available  
**Flashpoint:** ..... 27°C T.C.C. est. (Xylene)  
**Autoignition Temp:** ..... 277.8°C est.  
**Upper Flammable Limit:** ..... 16.0% est. (1-methoxy-2-propanol)  
**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.

### Materials to Avoid:

Strong oxidizing agents, strong acids, strong bases, amines, halogens. Copper, zinc, aluminum 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	>5580 mg/kg	12500-28800 mg/m3	4
Urea P/W Formaldehyde, isobutylated	>2000 mg/kg	>5 mg/L	4
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	-
1-methoxy-2-propanol	11700mg/kg	19843 ppm	4
2-methoxy-1-methylethyl Acetate	8532 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. IARC has classified Ethyl Benzene as a possible human carcinogen, Group 2B.

**Reproductive toxicity:**

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):**

May cause central nervous system depression. May cause respiratory system irritation.

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

May cause liver and/or kidney effects.

**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.

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### **Skin:**

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

### **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:**

No data.

### **Additional information:**

Prolonged or repeated exposure may cause liver and kidney effects and central nervous system depression.

## 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) 3.15 mg/L, 96H, est. (Ethyl Benzene)

### **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 January 20, 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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