



**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) 1-613-996-6666  
**Poison Control:**..... 800-268-9017

**Revision Date:**..... May 31, 2018  
**Print Date:**..... June 1, 2018  
**Version Number:**..... 3

**Product:** ..... 1CAT HALTON ACID CATALYST  
**Product Use:** ..... INDUSTRIAL CATALYST  
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 Corrosion (Cat. 1C)  
Serious Eye Damage (Cat. 1)  
Carcinogenicity (Cat. 2)  
Reproductive Toxicity (Cat. 2)  
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  
Aspiration Hazard (Cat. 1)

## Safety Data Sheet - 1CAT HALTON ACID CATALYST

### GHS Label Elements, including precautionary statements:

#### Pictogram:



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

#### **Hazard Statement(s):**

H225: Highly flammable liquid and vapour  
H314: Causes severe skin burns and eye damage  
H318: Causes serious eye damage  
H351: Suspected of causing cancer  
H361: Suspected of damaging 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  
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  
P202: Do not handle until all safety precautions have been read and understood  
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  
P363: Wash contaminated clothing before reuse  
P270: Do not eat, drink or smoke when using this product  
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P310: Immediately call a POISON CENTER or doctor/physician  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing  
P308+311: IF exposed or concerned: Call a POISON CENTER/doctor  
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
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.

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### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	%
Isopropanol	67-63-0	15.00-40.00
p-Toluenesulphonic Acid	104-15-4	10.00-30.00
Xylene	1330-20-7	10.00-30.00
Ethyl Benzene	100-41-4	1.00-5.00
Ethyl Acetate	141-78-6	5.00-10.00
Butanol	71-36-3	10.00-30.00
Methanol	67-56-1	15.00-40.00

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. Have victim rinse mouth thoroughly with water. 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. If breathing has stopped, trained personnel should immediately begin artificial respiration (AR) or, if the heart has stopped, cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). Avoid mouth to mouth contact by using mouth guards or shields. If breathing is difficult, trained personnel should administer emergency oxygen. Quickly transport victim to an emergency care facility.

#### 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:

As quickly as possible, remove contaminated clothing, shoes, and leather goods (e.g. watchbands, belts). Immediately flush with lukewarm, gently flowing water for 15-20 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. Consult a Poison Control Centre for guidance.

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## 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:

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, cans, 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.

## 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. Dyke and contain spills. Do not let product enter drains.

### Methods and Materials for Containment and Clean Up:

Contain and/or dyke 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:**..... 150 ppm ACGIH STEL est. (Xylene)

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### 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:** ..... No data  
**Vapour Density (AIR=1):** ..... Not available  
**Boiling Point:** ..... 64.7°C est. (Methanol)  
**Melting/Freezing Point:** ..... Not available  
**Vapour Pressure:** ..... Not available  
**Evaporation Rate:** ..... Not available  
**Specific Gravity:** ..... 0.8800-0.8970  
**Solubility in Water:** ..... Not available  
**% Non-Volatile:** ..... 15% +/- 1%  
**pH:** ..... 2  
**Coeff. Water/Oil Dist.:** ..... Not available

**Flashpoint:** ..... -4.5°C est. (Ethyl Acetate)  
**Autoignition Temp:** ..... 343°C est. (Butanol)  
**Upper Flammable Limit:** ..... 36% est. (Methanol)  
**Lower Flammable Limit:** ..... 1.1% est. (Xylene)

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## SECTION 10 – STABILITY AND REACTIVITY

**Stability:**

Stable.

**Hazardous Decomposition Products:**

Carbon monoxide and/or carbon dioxide.

**Materials to Avoid:**

Strong oxidizing agents, strong alkalies, strong mineral acids. Peroxides, some metals, chlorine.

**Hazardous Reactions:**

No data.

**Conditions to Avoid:**

Heat, flames and sparks.

## SECTION 11 – TOXICOLOGICAL INFORMATION

HAZARDOUS INGREDIENT	LD50	LC50	HRS
Isopropanol	5045 mg/kg	30 mg/L	4
p-Toluenesulphonic Acid	1410 mg/kg	not available	-
Xylene	3523 mg/kg	5000 ppm	4
Ethyl Benzene	3500 mg/kg	4000 ppm	4
Ethyl Acetate	5620 mg/kg	19600 ppm	4
Butanol	790 mg/kg	8000 ppm	4
Methanol	5628 mg/kg	64000 ppm	4

**Skin corrosion/irritation:**

Catagory 1 - Corrosive to skin.

**Serious eye damage/irritation:**

Category 1 - Can cause serious eye damage. 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.

**Reproductive toxicity:**

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

**Teratogenicity:**

Components of this product may cause teratogenic effects, based on lab animal studies. Relevance to humans is unknown.

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

May cause respiratory system irritation. 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.

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**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:**

Irritation, abdominal pain, and burning sensation in mouth, throat, and respiratory tract; may cause CNS depression, visual disturbances, blindness, nausea, vomiting, systemic poisoning. Contains Methanol. Cannot be made non-poisonous. Swallowing even small amounts of Methanol can cause blindness.

**Skin:**

Corrosive to skin. May cause burns and/or irritation.

**Eyes:**

May cause severe irritation, redness, tearing, blurred vision. Corrosive. May damage eyes.

**Signs and Symptoms of Exposure:**

No data.

**Synergistic effects:**

Not available.

**Additional information:**

Repeated overexposure may cause liver and kidney effects. Blood platelet count may be reduced upon exposure, which is reversible when exposure is stopped. Chronic inhalation may lead to mid frequency hearing loss. 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.

**Aquatic toxicity:**

LC50 (Pimephales Promelas) 13.4 mg/L, flow-through, 96H est. (Xylene)  
LC50 (Oncorhynchus Mykiss) 2.661-4.093 mg/L, static, 96H est. (Xylene)

**Persistence and degradability:**

No data.

**Bioaccumulative potential:**

No data.

**Mobility in soil:**

No data.

**Other adverse effects:**

No data.

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## 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 May 31, 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  
**TWA:** ..... TIME WEIGHTED AVERAGE  
**VOC:** ..... VOLATILE ORGANIC COMPOUND

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