

# SAFETY DATA SHEET

**Product Name: ZERON CATALYST**

**Product Code: 390 CATALYST**

**Date issued: 2/28/2018**

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## SECTION 1 : IDENTIFICATION

Product Name ZERON CATALYST

Product Code # 390 CATALYST

Identified Uses Protective Coating

Manufacturer: Kelley Technical Coatings  
1445 South 15<sup>th</sup> Street  
P.O. Box 3726  
Louisville, Kentucky 40201-3726

Emergency Contact Number: Day: 502-636-2561 Night: 800-424-9300

Information Telephone Number: 502-636-2561

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## SECTION 2 : HAZARDS IDENTIFICATION

### GHS Classification

Flammable Liquid 3  
Aspiration Hazard 1  
Skin Irritant 2  
Eye Damage/Irritation 2A  
Acute Toxicity - Inhalation 4  
Carcinogenicity 2  
Specific Target Organ Toxicity (Single Exposure) 3

### GHS Label Elements

#### Hazard Symbols



Signal Word Danger

#### Hazard Statements

H226 Flammable liquid and vapor  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H332 Harmful if inhaled  
H351 Suspected of causing cancer  
H336 May cause drowsiness or dizziness

#### Precautionary statements

##### Prevention

P202 Do not handle until all safety precautions have been read and understood.  
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 equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapor/spray.  
P264 Wash hands and/or face thoroughly after handling.  
P271 Use only outdoors or in well-ventilated area.  
P281 Use personal protective equipment as required.

##### Response

P312 Call a poison center or doctor if you feel unwell.  
P363 Wash contaminated clothing and wash before reuse.  
P301 + P310 If swallowed: Immediately call a poison center or doctor.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P332 + P313 If skin irritation occurs: Get medical advice/attention.

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P337 + P313 If eye irritation persists: Get medical advice/attention.  
P370 + P378 In case of fire: Use ABC Dry Chemical for extinction.  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

#### **Storage/ Disposal**

P405 Store locked up.  
P501 Dispose of contents/container in accordance with federal, state, provincial, and local regulations.  
P403 + P235 Store in a well-ventilated place. Keep cool.

#### **Other Hazards**

**OSHA Regulatory Status:** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

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### **SECTION 3 : COMPOSITION INFORMATION**

| <b>Chemical Designation</b> | <b>CAS No.</b> | <b>% by Weight</b> |
|-----------------------------|----------------|--------------------|
| polyamide resin             | 68410-23-1     | 30 - 40%           |
| modified polyamide resin    | 68424-41-9     | 30 - 40%           |
| benzyl alcohol              | 100-51-6       | 10 - 20%           |
| light aromatic naphtha      | 64742-95-6     | 5 - 10%            |
| 1,2,4 trimethylbenzene      | 95-63-6        | 1 - 5%             |
| cumene                      | 98-82-8        | 0.1 - 1%           |

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### **SECTION 4 : FIRST AID MEASURES**

|                    |  |
|--------------------|--|
| General Advice     | Show this safety data sheet to the doctor in attendance  |
| Eyes:              | Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention. |
| Skin:              | Wash affected area thoroughly with soap and water. If skin irritation persists, get immediate medical attention.   |
| Inhalation:        | Move to fresh air. Restore breathing. If breathing is difficult, get immediate medical attention.  |
| Ingestion:         | Do not induce vomiting – seek immediate medical attention.   |
| Notes to Physician | Treat symptomatically  |

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### **SECTION 5 : FIRE FIGHTING MEASURES**

|  |  |
|--|--|
| Extinguishing Media:                       | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.                                |
| Specific Hazards arising from the Chemical | Closed containers may rupture if exposed to fire or extreme heat.  |
| Special protective Equipment:              | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. |

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### **SECTION 6 : ACCIDENTAL RELEASE MEASURES**

|                           |   |
|---------------------------|---|
| Personal Precautions:     | Use personal protective equipment. Remove all sources of ignition.  |
| Environmental Precautions | Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained. |
| Methods for Clean-up      | Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.  |
| Other Information         | None known  |

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### **SECTION 7 : HANDLING & STORAGE**

|           |   |
|-----------|---|
| Handling: | Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces and sources of ignition. |
| Storage:  | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep in properly labeled containers.  |

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### **SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION**

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HMIS is a Health, Flammability and Reactivity rating: **2\*21**

HMIS CODE: **4** – SEVERE HAZARD, **3** – SERIOUS HAZARD, **2** – MODERATE HAZARD, **1** – SLIGHT HAZARD, **0** – MINIMAL HAZARD, \* – Chronic Hazard

Note: The PPE rating has intentionally been left blank. Choose appropriate PPE that will protect employees from the hazards the material will present under the actual conditions of use.

## Exposure Limits

| Hazardous Components     | OSHA PEL | ACGIH TLV |
|--------------------------|----------|-----------|
| polyamide resin          | NE       | NE        |
| modified polyamide resin | NE       | NE        |
| benzyl alcohol           | NE       | NE        |
| light aromatic naphtha   | NE       | NE        |
| 1,2,4 trimethylbenzene   | 25 ppm   | 25 ppm    |
| cumene                   | 50 ppm   | 50 ppm    |

NE = None established NA = Not available (C) = Ceiling limit (I) = Inhalable fraction (IFV) = Inhalable fraction and vapor STEL = Short term exposure limit  
(R) = Respirable fraction

**Engineering Measures** Ensure adequate ventilation, especially in confined areas.

## Personal Protective

### Equipment

**Eyes/Face:** Safety goggles or full face shield

**Skin:** Protective gloves and impervious clothing.

**Respiratory Protection:** In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

**Hygiene Practices:** Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using do not eat, drink or smoke.

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

|  |                |                                  |                |
|--|----------------|----------------------------------|----------------|
| Appearance:                            | liquid         |                                  |                |
| Odor:                                  | Solvent odor   | Odor threshold:                  | Not determined |
| VOC lb/gal                             | 1.22           | VOC (g/L)                        | 145.80         |
| VOC (lb/gal) less exempt               | 1.22           | VOC (g/L) less exempt            | 145.80         |
| Relative Density (LB/GAL):             | 8.10           | Specific Gravity (g/L):          | 0.97           |
| Flash Point (F):                       | 110            |                                  |                |
| Flammability:                          | Not determined | Upper/lower flammability limits: | Not available  |
| Auto-ignition temperature:             | Not determined | Decomposition temperature:       | Not determined |
| Evaporation rate :                     | Not available  |                                  |                |
| Vapor Pressure (mmHg) :                | Not available  | Vapor Density :                  | Not available  |
| Initial Boiling Point (F):             | Not available  | Boiling Point Range (F):         | Not available  |
| Freezing Point (F):                    | Not determined | Melting Point (F):               | Not determined |
| pH                                     | Not available  | Viscosity                        | Not available  |
| Solubility (ies):                      | Not determined |                                  |                |
| Partition coefficient: n-octanol/water | Not determined |                                  |                |

## SECTION 10 : STABILITY AND REACTIVITY

|                                     |   |
|-------------------------------------|---|
| Chemical Stability:                 | Stable under normal conditions. Hazardous polymerization does not occur.              |
| Conditions to Avoid:                | Keep away from open flames, hot surfaces, static electricity and sources of ignition. |
| Materials to Avoid:                 | Incompatible with strong acids and bases and strong oxidizing agents.                 |
| Hazardous Decomposition Products:   | Thermal decomposition can lead to release of irritating gases and vapors.             |
| Possibility of Hazardous Reactions: | None under normal conditions of use.  |

## SECTION 11 : TOXICOLOGICAL INFORMATION

### Acute Toxicity

| Component                | LD50 Oral mg/kg (Rat) | LD50 Dermal mg/kg (Rabbit) | LC50 Inhalation mg/L (Rat, 4 hr.) |
|--------------------------|-----------------------|----------------------------|-----------------------------------|
| polyamide resin          | NA                    | NA                         | NA                                |
| modified polyamide resin | NA                    | NA                         | NA                                |
| benzyl alcohol           | NA                    | NA                         | NA                                |

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|                        |       |        |    |
|------------------------|-------|--------|----|
| light aromatic naphtha | 8,400 | NA     | NA |
| 1,2,4 trimethylbenzene | 5,000 | 18,000 | NA |
| cumene                 | NA    | NA     | NA |

## Chronic Toxicity

The information below indicates whether each agency has listed any ingredient as a carcinogen:

| <b>Component</b> | <b>IARC</b>                    | <b>NTP</b> | <b>OSHA</b> |
|------------------|--------------------------------|------------|-------------|
| cumene           | 2B – Possible Human Carcinogen | Not listed | Listed      |

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## SECTION 12 : ECOLOGICAL INFORMATION

No ecological information available

## SECTION 13 : DISPOSAL CONSIDERATION

Waste Disposal Method                      Dispose of in accordance with federal, state, provincial, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

## SECTION 14 : TRANSPORT INFORMATION

Contact the manufacturer for shipping information.

## SECTION 15 : REGULATORY INFORMATION

US TSCA:                                      Yes – All components are listed or exempt

### Federal Regulations

#### **SARA 311/312 hazardous categorization**

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | YES |
| Chronic Health Hazard             | YES |
| Fire Hazard                       | NO  |
| Sudden Release of Pressure Hazard | NO  |
| Reactive Hazard                   | NO  |

#### **SARA 313**

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| <b>Chemical Designation</b> | <b>Cas No.</b> | <b>Weight %</b> |
|-----------------------------|----------------|-----------------|
| 1,2,4 trimethylbenzene      | 95-63-6        | < 5%            |

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS)**

| <b>Chemical Designation</b> | <b>Cas No.</b> | <b>Weight %</b> |
|-----------------------------|----------------|-----------------|
| cumene                      | 98-82-8        | 0.16            |

Any Target HAP listed in this section is not an OSHA Carcinogen unless listed as such in Section 11 under Chronic Toxicity.

### State Regulations

#### **California Proposition 65**

This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.

## SECTION 16 : OTHER INFORMATION

Date issued: 2/28/2018 VER 02

The above Information is based on the present state of our knowledge of the product at the time of publication. It is given in good faith. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy himself that the product is entirely suitable for his purposes.