



Material Safety Data Sheet

Revised 6 March 2015

Section 1 - Product and Company Identification

Product Name: Woodwright Catalyst
Product Codes: 35260

Manufactured for: David E. Easterday & Company, Inc.
Address: 1225-C US 62
Wilmot, Ohio 44689

Emergency Phone: 1-800-322-8172
(Monday - Friday, 7:30 a.m. to 5:00 p.m. EST)

Chemtrec Phone: 1-800-424-9300
Other Calls: (330) 359-0700
Facsimile: (330) 359-0800

Section 2 - Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>HAP (Y/N)</u>	<u>VOC (Y/N)</u>	<u>% by Wt.</u>
isopropyl alcohol	67-63-0	No	Yes	55 to 65
p-toluenesulfonic acid	104-15-4	No	No	35 to 45

Section 3 - Hazards Identification

Emergency Overview: This product is a clear liquid with a strong solvent odor. Inhalation overexposure to the vapors this product can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. This product is flammable and can be readily ignited under normal ambient conditions. Vapors of this product may travel to a source of ignition and flashback to a leak or open container. If involved in a fire, this product will release smoke and toxic gases (i.e., carbon monoxide, carbon dioxide). This product is not reactive. Emergency responders must wear proper personal protective equipment suitable for the situation to which they are responding.

Routes of Entry: Inhalation, Skin Absorption, Ingestion. Skin Contact. Eye Contact.

Inhalation - Mist may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge with chest pain and coughing. Aerosol can be hazardous if inhaled.

Skin Absorbtion - Can be absorbed through the skin but exposure must be extensive before adverse health effects occur.

Ingestion - Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

Skin Contact - Prolonged or repeated contact may cause discomfort and local redness. Prolonged or Prolonged or widespread contact may result in the absorbtion of potentially harmful amounts of material.

Eye Contact - Causes severe irritation, experienced as discomfort or pain, excess blinking and tear production, excess redness and swelling of the conjunctiva, and chemical burns of the eye.

Medical Conditions Aggravated: May aggravate pre-existing skin disorders, respiratory disorders, kidney disease, liver disease, eye disorders, and or gastrointestinal disorders.

Carcinogenicity: NTP Carcinogen - **None listed**
IARC Monographs - **Yes (ethanol - Group 1 - carcinogenic to humans)**
OSHA Regulated - **None listed**
NIOSH - **None listed**

Teratogenicity: No data available to indicate product or any components present at greater than 0.1% is teratogenic.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% is mutagenic.

Section 4 - First Aid Measures

Inhalation: Move victim to fresh air. If not breathing, call 911 (or emergency services number if 911 service is not available) and administer artificial respiration. If breathing is difficult, have a trained individual administer oxygen. Get medical attention immediately.

Eyes: Immediately flush eyes with plenty of water for at least 20 minutes - opening and closing eyelids often. Get medical attention immediately.

Skin Contact: Wash with mild soap and water. If clothing is contaminated, remove contaminated clothing being careful to avoid additional skin contact. Wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

Ingestion: Do not induce vomiting. Call 911 (or emergency services number if 911 service is not available). Get medical attention immediately.

Section 5 - Fire Fighting Measures

Flashpoint: 53 deg F (isopropyl alcohol) **Method Used:** TCC

Lower Flammable/Explosive Limit: N/D

Upper Flammable/Explosive Limit: N/D

Extinguishing Media: Alcohol Resistant Foam, CO₂, Dry Chemical, Water Fog extinguishing agents.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to potential of hazardous vapors and decomposition products.

Unusual Fire and Explosion Hazards: Solvent vapors are heavier than air and may travel a considerable distance to a source of ignition and then flash back. Avoid accumulation of water. Solvent may float and reignite on surface of water. Closed containers may explode due to pressure build-up when exposed to extreme heat. Use water spray/fog for cooling. Do not cut, drill, grind, or weld near containers - even when empty. Residual product or vapors may ignite or explode.

Sensitive to Static Discharge: Appropriate grounding and bonding procedures should be followed when storing, transferring and applying this product to eliminate a build-up of static charge.

Section 6 - Accidental Release Measures

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with a suitable absorbent material. Gather and store in an approved and sealed container pending a waste disposal evaluation.

Section 7 - Handling and Storage

Handling: Rags or other materials containing this product may oxidize and ignite. All contaminated materials should be isolated immediately to avoid spontaneous combustion. Iron oxide pigments may accelerate this process. Use spark-proof tools and explosion-proof equipment. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Wash hands thoroughly after handling. Contents may develop pressure upon prolonged storage. Avoid contact with material. Avoid contact and avoid breathing vapors and fumes. Use only in a well ventilated area.

Storage: Keep away from sources of ignition. Keep away from heat, sparks, and flame. Keep from freezing. Keep container closed when not in use. Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. DO NOT store in unlined steel drums as this product is acidic and will react generating hydrogen gas. Store in lined, plastic, or glass containers.

Section 8 - Engineering Controls and Personal Protective Equipment

Engineering Controls: Check applicable ventilation codes. Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Personal Protective Equipment:

Respiratory Tract - Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2-1992). A written respiratory protection program, including provisions for medical evaluation, training, fit testing, exposure assessments, maintenance, inspection, cleaning and convenient, sanitary storage should be implemented.

Eyes - Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

Skin - Avoid skin contact by wearing chemically resistant gloves, an apron and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving the jobsite.

Section 9 - Physical and Chemical Properties

Physical State	liquid
Odor	strong solvent
Boiling Point:	181 deg F (isopropyl alcohol)
Material VOC, lbs/gal (calc.)	4.90
Coating VOC, lbs/gal (calc.)	4.90
Evaporation Rate:	slower than ether
Weight per gallon (calc.)	8.20
Solubility in Water:	soluble

Section 10 - Stability and Reactivity

Stability: Spontaneous combustion can occur. Stable under normal conditions.

Conditions to Avoid: Heat, sparks, open flames or other sources of ignition.

Incompatibility (Materials to Avoid): Ferrous Metals. Strong oxidizing agents. Strong acids. Peroxides.

Hazardous Decomposition or Byproducts: Carbon monoxide, Carbon dioxide.
Reacts with ferrous metals and may generate hydrogen gas.

Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

<u>Ingredient</u>	<u>CAS No.</u>	<u>LC₅₀/LD₅₀/IDLH</u>
isopropyl alcohol	67-63-0	LC50 Rat - 12,000 ppm/8 hrs; LD50 Rat - 5,045 mg/kg; IDLH - 2,000 ppm
p-TSA	104-15-4	LC50 Rat - 2.13 ppm/8 hrs; LD50 Rat - > 2,000 mg/kg; IDLH - Not established

Target Organ Acute Toxicity

isopropyl alcohol	eyes, skin, respiratory system
p-TSA	eyes, skin, respiratory tract, gastrointestinal tract

Section 12 - Ecological Information

Overview: No data available. No ecological information available.

Section 13 - Disposal Considerations

Waste Disposal Method: Whatever cannot be recovered, reused, or recycled in an appropriate manner should be disposed of at an approved waste facility. Processing, use or contamination of this product may change the the waste management options. Dispose of container and unused contents in accordance with applicable federal, state and local laws and regulations.

EPA: If disposed, this coating is considered a RCRA ignitable waste, D001.

Components Subject to EPA Land Ban Restrictions: None listed.

Section 14 - Transportation Information

U.S. Department of Transportation Title 49 CFR, Subchapter C	Proper Shipping Name:	Flammable liquid, corrosive, n.o.s. (isopropyl alcohol, arylsulfonic acid)
	Hazard Class:	3
	I.D. Number:	UN 2924
	Packing Group:	II
Emergency Response Guidebook (2008)	Guide Number:	132

Section 15 - Regulatory Information

Sara 313 Reportable:

<u>Chemical</u>	<u>CAS No.</u>
isopropyl alcohol	110-19-0

Section 16 - Other Information

To the best of our knowledge, the information and recommendations contained herein were believed to be accurate at the time of preparation, or obtained from sources believed to be reliable. However, it is the user's responsibility to determine safety, toxicity, and suitability for his own use of the product. No warranties of any kind, either expressed or implied, including fitness for a particular purpose, are made regarding the product described, data or information set forth. In no case shall the descriptions, information or data provided be considered as part of our terms and conditions of sale. The descriptions, information and data furnished herein are given gratis. No obligation or liability for the descriptions, information and data given are assumed. All such being given and accepted at your risk.

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