Material Safety Data Sheet

Section 1: Product and Company Identification

RPM Wood Finishes Group, Inc.
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EHS Review/Issue Date: 10/31/2014

Product Name: CONVERSION VARNISH CATALYST GAL
Product Code: M615-7014, M615-7017

Section 2: Hazards Identification

EMERGENCY OVERVIEW
Appearance: Clear Liquid
Odor: Strong Solvent

Principal Hazards: WARNING! Flammable.
Causes eye irritation.

Potential Health Effects: See Section 11 for more information.

Primary Routes of Exposure: Eye contact, ingestion, skin contact, inhalation, and absorption.

Eye Contact:

Product may cause eye damage; signs and symptoms may include burns, vision impairment, permanent corneal damage and/or soft tissue damage.

Ingestion:

Product if ingested may cause damage (including burns, scarring, and ulcerization) to mouth, throat, stomach, and digestive and central nervous systems. Signs and symptoms may include headache, drowsiness, dizziness, swelling, abdominal discomfort, burning sensation, shock or collapse.

Skin Contact:

Product may cause skin damage; signs and symptoms may include blistering, burns and/or possible scarring.

Inhalation:

Product if inhaled may cause severe irritation or damage (including but not limited to burns, scarring, and ulcerization) to respiratory tract and central nervous system. Signs and symptoms may include weakness, headache, drowsiness, dizziness, swelling, abdominal discomfort, burning sensation, shock or collapse, convulsions, breathing difficulties, nasal perforation, ulceration, heart damage and/or blindness. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Target Organs: Not Determined

Carcinogenicity: This product contains carcinogens or potential carcinogens as listed by IARC or NTP.

Hazardous Listing: Components of this product are considered hazardous per the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 3: Composition/Information on Ingredients

Chemical	CAS	Percent Composition
ethanol	64-17-5	50 - 70
ethyl acetate	141-78-6	10 - 20
toluene sulfonic acid hydrate	6192-52-5	10 - 20
isopropanol	67-63-0	1 - 10
phosphoric acid	7664-38-2	1 - 10
water	7732-18-5	1 - 10

Section 4: First Aid Measures

Eye Contact:

If exposure occurs, flush the affected eye for at least 20 minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical attention immediately after flushing.

Ingestion:

Do not induce vomiting. Dilute with water or milk. Never give fluids if the victim is unconscious or having convulsions. Seek medical attention immediately. Contact Poison Control Center immediately.

Skin Contact:

If exposure occurs, flush the affected area thoroughly with water for at least 15 minutes. Destroy contaminated clothing and shoes. Seek medical attention immediately.

Inhalation:

Remove to fresh air. If not breathing, administer CPR until help arrives or the victim starts to breathe on his own. If breathing is difficult, give oxygen. Seek medical attention immediately.

Section 5: Fire Fighting Measures

Extinguishing Media:

This is a NFPA/OSHA Class 1B or less flammable liquid. Follow NFPA30, Chapter 16 for fire protection and fire suppression. Use a dry chemical, carbon dioxide, or similar ABC fire extinguisher for incipient fires. Water may be used to cool and prevent rupture of containers that are exposed to heat from fire.

Products of Combustion:

Combustion may produce carbon monoxide, carbon dioxide, and irritating or toxic vapors and gases.

Protection of Firefighters / Explosion Hazards:

Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from potential explosion hazards while extinguishing the fire. Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Containers of this material may build up pressure if exposed to heat (fire). Use water spray to cool fire-exposed containers. Use water spray to disperse vapors if a spill or leak has not ignited. DO NOT extinguish a fire resulting from the flow of flammable liquid until the flow of the liquid is effectively shut off. This precaution will help prevent the accumulation of an explosive vapor-air mixture after the initial fire is extinguished.

Section 6: Accidental Release Measures

Follow personal protective equipment recommendations found in Section 8. Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. Do not allow the spilled product to enter public drainage systems or open waterways.

Section 7: Handling and Storage

Handling:

Empty containers may retain product residue or vapor. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition.

Storage:

Keep containers closed when not in use. Store in cool well ventilated space away from incompatible materials.

Section 8: Exposure / Personal Protection

OSHA 29 CFR 1910.1000 Air Contaminants – Tables:

Chemical	CAS	Z-1 PEL (units as noted)	Z-2 PEL (PPM)	Z-3 Status	Specifically Regulated see:	ACGIH TLV (units as noted)
ethanol	64-17-5	1900 MGM3 (1000 PPM)				1000 PPM
ethyl acetate	141-78-6	1400 MGM3 (400 PPM)				400 PPM
toluene sulfonic acid hydrate	6192-52-5					
isopropanol	67-63-0	980 MGM3 (400 PPM)				200 PPM
phosphoric acid	7664-38-2	1 MGM3				1 MGM3
water	7732-18-5					

Engineering Controls:

Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits.

Eye / Face Protection:

Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.

Skin Protection:

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

Respiratory Protection:

A NIOSH-approved air-purifying respirator with the appropriate cartridge may be appropriate under certain circumstances where airborne concentrations are expected to exceed permissible exposure limits. Protection provided by air-purifying respirators is limited. Use a positive-pressure, air supplied respirator if there is potential for an uncontrolled release, exposure levels are not known or any other circumstances where air-purifying respirators may not provide adequate protection.

General Hygiene Considerations:

It is good practice to avoid contact with the product and/or its vapor, mists or dust by using appropriate protective measures. Wash thoroughly after handling and before eating or drinking.

Section 9: Physical and Chemical Properties

Physical State:	Clear Liquid
Odor:	Strong Solvent
Odor Threshold:	Not determined.
pH:	Not determined**.**
Freezing Point:	Not determined.
Boiling Point:	Not determined**.**
Flash Point (^{o}F):	24 (CALC.)
Evaporation Rate:	Not determined.
Flammability (solid, gas):	Not determined.
Upper Flammability Limit:	Not determined.
Lower Flammability Limit:	Not determined.
Vapor Pressure:	Not determined.
Vapor Density:	Not determined.

Specific Gravity:	0.91
Weight per Gallon (lbs):	7.55
Solubility (water):	Not determined.
Partition Coefficient (n-octanol/water):	Not determined.
Auto-ignition Temperature:	Not determined.
Coating VOC g/l:	711.48
Coating VOC lbs/gal:	5.92
Material VOC g/l:	704.17
Material VOC lbs/gal:	5.86
Solids VOL%:	13.4
Solids WT %:	21.07

Contains Non-Photochemically Reactive Solvent.

VOC data per US EPA guidelines. Some states and localities have guidelines more stringent than federal regulations.

Aerosol coating product category codes and applicable reactivity limits are displayed on product labels per 40 CFR 59.507.

Section 10: Stability and Reactivity

Stability:

Stable under normal conditions.

Conditions to Avoid/Incompatible Materials:

Keep away from heat, sparks and flames.

Hazardous Decomposition Products:

Not determined.

Section 11: Toxicology Information

Chemical	CAS	IARC	NTP
ethanol	64-17-5	*	*
ethyl acetate	141-78-6		
toluene sulfonic acid hydrate	6192-52-5		
isopropanol	67-63-0		
phosphoric acid	7664-38-2		
water	7732-18-5		

Toxicological evaluation of this product as a whole has not been performed. Individual components that are potential or known carcinogens are listed above.

Section 12: Ecological Information

Ecological evaluation of this material has not been performed; however, do not allow the product to be released to the environment without governmental approval/permits.

Section 13: Disposal Considerations

Waste from this material may be a listed and/or characteristic hazardous waste. Dispose of material, contaminated absorbent, container and unused contents in accordance with local, state, and federal regulations.

Section 14: Transportation Information

DOT Basic description: UN2924, FLAMMABLE LIQUID, CORROSIVE, N.O.S., 3(8), II (ETHANOL/ARYLSULPHONIC ACIDS MIXTURE)

See 49 CFR 172.101 for Special Provisions, Packaging, and Quantity Limitations.

Section 15: Regulatory Information

Chemical Name	CAS	CERCLA	CERCLA RQ	EPCRA EHS	EPCRA TPQ	SARA 313	TSCA	DSL	EINECS	Proposition 65	WHMIS
ethanol	64-17-5	*	100 LBS				*	*	*		*
ethyl acetate	141-78-6	*	5000 LBS				*	*	*		*
toluene sulfonic acid hydrate	6192-52-5										*
isopropanol	67-63-0					*	*	*	*		*
phosphoric acid	7664-38-2	*	5000 LBS				*	*	*		*
water	7732-18-5						*	*	*		

WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

Section 16: Other Information

IMPORTANT: WHILE THE DESCRIPTIONS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU PERFORM AN ASSESSMENT TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED, DATA OR INFORMATION SET FORTH. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION,OR DATA PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, THE DESCRIPTIONS, DATA AND INFORMATION FURNISHED HEREUNDER ARE GIVEN GRATIS. NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DATA AND INFORMATION GIVEN ARE ASSUMED. ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK.

HMIS Codes **Health** 3 **Flammability** 3 **Reactivity** 1

Key to Abbreviations:

*	Item appears on indicated list (or inventory)
ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Service Registry Number
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLA RQ	CERCLA Reportable Quantity
CFR	Code of Federal Regulations
CPR	Cardiopulmonary resuscitation
DSL	Domestic Substances List of Canada
EINECS	European Inventory of Existing Chemical Substances
EPCRA	Emergency Planning and Community Right-to-know Act
EPCRA EHS	EPCRA Extremely Hazardous Substance
EPCRA TPQ	EPCRA Threshold Planning Quantity
^{o}F	Fahrenheit degrees
g/l	Grams per liter
gal	Gallons
IARC	International Agency for Research on Cancer
lbs or LBS	Pounds
MGM3	Milligrams per cubic meter
MIR	Maximum Incremental Reactivity
MSDS	Material Safety Data Sheet
NCP	WHMIS Non-Controlled Product
NIOSH	National Institute of Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PPM	Parts per million
Proposition 65	California's Safe Drinking Water and Toxic Enforcement Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound
VOL	Volume
WT	Weight
WHMIS	Canadian Workplace Hazardous Materials Information System
UN	United Nations