



**Fox Valley Chemical Co.**  
 Experience in Floor Finishes since 1962  
 P.O. BOX 129 / 5201 MANN DRIVE  
 RINGWOOD, ILLINOIS 60072

# SAFETY DATA SHEET

Issue Date 11-July-2014

Revision Date 01-May-2015

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier MILLENNIUM F202600  
Product Name E-cryl® 714  
Other means of identification  
SDS# JC-012-032  
Synonyms None

### Details of the supplier of the safety data sheet

Company Name  
 FOX VALLEY CHEMICAL CO  
 5201 MANN DR  
 RINGWOOD, IL 60072  
 815-653-2660

### Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified
Skin corrosion/irritation	Category 3

### Label elements

#### Emergency Overview

## Warning

#### Hazard statements

Causes mild skin irritation  
 Harmful to aquatic life with long lasting effects

**Appearance** Opaque

**Physical state** Liquid

**Odor** Mild Ammonia

#### Precautionary Statements - Prevention

Avoid release to the environment

#### Precautionary Statements - Response

Specific Treatment (See Section 4 on the SDS)  
 If skin irritation occurs: Get medical advice/attention  
 Immediately call a POISON CENTER or doctor/physician

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

Unknown Acute Toxicity

0.916927% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No.	Weight-%	Trade Secret
Styrene Acrylic Copolymer	Proprietary	10-30	*
2-(2-ethoxyethoxy)ethanol	111-90-0	3-7	*
Tributoxyethyl Phosphate	78-51-3	1-5	*
Zinc oxide	1314-13-2	.1-1	*
Ammonia	7664-41-7	.1-1	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****First aid measures**

<b>Skin Contact</b>	Wash off immediately with plenty of water. Wash skin with soap and water.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Any additional important symptoms and effects are described in Section 11: Toxicology Information.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to physicians</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Explosion data**

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

Exposure guidelines noted for ingredient(s).

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Zinc oxide 1314-13-2	STEL: 10 mg/m <sup>3</sup> respirable fraction TWA: 2 mg/m <sup>3</sup> respirable fraction	TWA: 5 mg/m <sup>3</sup> fume TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) TWA: 5 mg/m <sup>3</sup> fume (vacated) TWA: 10 mg/m <sup>3</sup> total dust (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction (vacated) STEL: 10 mg/m <sup>3</sup> fume (vacated)	IDLH: 500 mg/m <sup>3</sup> Ceiling: 15 mg/m <sup>3</sup> dust TWA: 5 mg/m <sup>3</sup> dust and fume STEL: 10 mg/m <sup>3</sup> fume
Ammonia 7664-41-7	STEL: 35 ppm TWA: 25 ppm	TWA: 50 ppm TWA: 35 mg/m <sup>3</sup> (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m <sup>3</sup>	IDLH: 300 ppm TWA: 25 ppm TWA: 18 mg/m <sup>3</sup> STEL: 35 ppm STEL: 27 mg/m <sup>3</sup>
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

NIOSH IDLH Immediately Dangerous to Life or Health

**Other Information**

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls Showers, Eyewash stations & Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin and body protection** Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**
Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Opaque
Color	Off-white
Odor	Mild Ammonia
Odor threshold	No Information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.0 - 9.0	
Specific Gravity	1.054	
Viscosity	<100 cP @ 25°C	
Melting point/freezing point	No Information available	
Flash point	None	
Boiling point / boiling range	212 ° F (at 760 mm Hg)	
Evaporation rate	No Information available	
Flammability (solid, gas)		
Flammability Limits in Air		
Upper flammability limit:	No Information available	
Lower flammability limit:	No Information available	
Vapor pressure	No Information available	
Vapor density	No Information available	
Water solubility	Complete	
Partition coefficient	No Information available	
Autoignition temperature	No Information available	
Decomposition temperature	No Information available	

Other Information

Density Lbs/Gal	8.79
VOC Content (%)	6.10247

**10. STABILITY AND REACTIVITY**
Reactivity

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

None known based on information supplied.

**Hazardous Decomposition Products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Product Information</b>	Harmful by inhalation and in contact with eyes and skin.
<b>Inhalation</b>	Avoid breathing vapors or mists. May cause irritation of respiratory tract.
<b>Eye contact</b>	Avoid contact with eyes. May cause slight irritation.
<b>Skin Contact</b>	Avoid contact with skin. Prolonged or repeated contact may dry skin and cause irritation.
<b>Ingestion</b>	Not an expected route of exposure. Do not taste or swallow.

Chemical Name	Oral LD50	Dermai LD50	Inhalation LC50
2-(2-ethoxyethoxy)ethanol 111-90-0	= 1920 mg/kg (Rat)	= 4200 µL/kg (Rabbit) = 6 mL/kg (Rat)	> 5240 mg/m <sup>3</sup> (Rat) 4 h
Ethanol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h

**Information on toxicological effects**

Symptoms No Information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Sensitization No Information available.  
 Germ cell mutagenicity No Information available.  
 Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity No Information available.  
 STOT - single exposure No Information available.  
 STOT - repeated exposure No Information available.  
 Chronic toxicity Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.  
 Aspiration hazard No Information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0.916927% of the mixture consists of ingredient(s) of unknown toxicity

**12. ECOLOGICAL INFORMATION**Ecotoxicity

34.68746% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
2-(2-ethoxyethoxy)ethanol 111-90-0	-	10000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 19100 - 23900: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 11400 - 15700: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 11600 - 16700: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 13400: 96 h <i>Salmo gairdneri</i> mg/L LC50 flow-through	3940 - 4670: 48 h <i>Daphnia magna</i> mg/L EC50
Tributoxyethyl Phosphate 78-51-3	-	10.4 - 12.0: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	-
Nonylphenol Ethoxylate 9016-45-9	-	5: 96 h Fish mg/L LC50	-
Ammonia 7664-41-7	-	0.44: 96 h <i>Cyprinus carpio</i> mg/L LC50 0.26 - 4.6: 96 h <i>Lepomis macrochirus</i> mg/L LC50 1.17: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 0.73 - 2.35: 96 h <i>Pimephales promelas</i> mg/L LC50 5.9: 96 h <i>Pimephales promelas</i> mg/L LC50 static 1.5: 96 h <i>Poecilia reticulata</i> mg/L LC50 1.19: 96 h <i>Poecilia reticulata</i> mg/L LC50 static	25.4: 48 h <i>Daphnia magna</i> mg/L LC50
Ethanol 64-17-5	-	12.0 - 16.0: 96 h <i>Oncorhynchus mykiss</i> mL/L LC50 static 100: 96 h <i>Pimephales promelas</i> mg/L LC50 static 13400 - 15100: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through	9268 - 14221: 48 h <i>Daphnia magna</i> mg/L LC50 2: 48 h <i>Daphnia magna</i> mg/L EC50 Static 10800: 24 h <i>Daphnia magna</i> mg/L EC50
Methyl Chloro Isothiazolinone 26172-55-4	0.11 - 0.16: 72 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 0.03 - 0.13: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static 0.31: 120 h <i>Anabaena flos-aquae</i> mg/L EC50	1.6: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 semi-static	4.71: 48 h <i>Daphnia magna</i> mg/L EC50 0.12 - 0.3: 48 h <i>Daphnia magna</i> mg/L EC50 Flow through 0.71 - 0.99: 48 h <i>Daphnia magna</i> mg/L EC50 Static
Magnesium Chloride 7786-30-3	2200: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50	1970 - 3880: 96 h <i>Pimephales promelas</i> mg/L LC50 static 4210: 96 h <i>Gambusia affinis</i> mg/L LC50 static	140: 48 h <i>Daphnia magna</i> mg/L EC50 Static 1400: 24 h <i>Daphnia magna</i> mg/L EC50

Persistence and degradability

No Information available.

Bioaccumulation

No Information available.

Chemical Name	Partition coefficient
2-(2-ethoxyethoxy)ethanol 111-90-0	-0.8
Tributoxyethyl Phosphate 78-51-3	4.78
Ammonia 7664-41-7	-1.14

Other adverse effects

No Information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

Chemical Name	California Hazardous Waste Status
Zinc oxide 1314-13-2	Toxic

### 14. TRANSPORT INFORMATION

The basic description below is specific to the container size. This information is provided for at a glance DOT information. Please refer to the container and/or shipping papers for the appropriate shipping description before tendering this material for shipment. For additional information, please contact the distributor listed in section 1 of this SDS.

**DOT** Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

TSCA Complies  
DSL/NDSL Complies

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

#### US Federal Regulations

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). 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

Chemical Name	SARA 313 - Threshold Values %
2-(2-ethoxyethoxy)ethanol - 111-90-0	1.0

##### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

##### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Zinc oxide 1314-13-2	-	X	-	-
Ammonia 7664-41-7	100 lb	-	-	X

##### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonia 7664-41-7	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Ethanol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-ethoxyethoxy)ethanol 111-90-0	X	-	X
Ammonia 7664-41-7	X	X	X
Ethanol 64-17-5	X	X	X
Magnesium Nitrate 10377-60-3	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties Yes
<b>HMIS</b>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection B

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Revision Note

**Disclaimer**

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End of Safety Data Sheet



Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonia 7664-41-7	100 lb	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Ethanol - 64-17-5	Carcinogen Developmental

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-(2-ethoxyethoxy)ethanol 111-90-0	X	-	X
Ammonia 7664-41-7	X	X	X
Ethanol 64-17-5	X	X	X
Magnesium Nitrate 10377-60-3	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

<b>NFPA</b>	Health hazards 1	Flammability 0	Instability 0	Physical and Chemical Properties Yes
<b>HMIS</b>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection B

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