SAFETY DATA SHEET

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

Issue Date 11-July-2014 Revision Date 01-May-2015 Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier ULTRA 10 CLEAR F10200
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

Hazard not otherwise classified (HNOC)
Other Information
Unknown Acute Toxicity
0.916027% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight-%</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Styrene Acrylic Copolymer</td>
<td>Proprietary</td>
<td>10-30</td>
<td>*</td>
</tr>
<tr>
<td>2-(2-ethoxyethoxy)ethanol</td>
<td>111-60-0</td>
<td>3-7</td>
<td>*</td>
</tr>
<tr>
<td>Tributoxyethyl Phosphate</td>
<td>78-51-3</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>1314-13-2</td>
<td>.1-1</td>
<td>*</td>
</tr>
<tr>
<td>Ammonia</td>
<td>7664-41-7</td>
<td>.1-1</td>
<td>*</td>
</tr>
</tbody>
</table>

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

4. FIRST AID MEASURES

First aid measures
Skin Contact
Wash off immediately with plenty of water. Wash skin with soap and water.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Inhalation
Remove to fresh air.

Ingestion
Clean mouth with water and drink afterwards plenty of water.

Most Important symptoms and effects, both acute and delayed
Symptoms
Any additional important symptoms and effects are described in Section 11: Toxicology Information.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically.

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>STEL: 10 mg/m³ resolvable fraction TWA: 2 mg/m³ resolvable fraction</td>
<td>TWA: 5 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ resolvable fraction (vacated) TWA: 5 mg/m³ fume (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ resolvable fraction (vacated) STEL: 10 mg/m³ fume</td>
<td>IDLH: 500 mg/m³ Ceiling: 15 mg/m³ dust TWA: 5 mg/m³ dust and fume STEL: 10 mg/m³ fume</td>
</tr>
<tr>
<td>Ammonia 7664-41-7</td>
<td>STEL: 35 ppm TWA: 25 ppm</td>
<td>TWA: 50 ppm TWA: 35 mg/m³ (vacated) STEL: 35 ppm (vacated) STEL: 27 mg/m³</td>
<td>IDLH: 360 ppm TWA: 25 ppm TWA: 18 mg/m³ STEL: 36 ppm STEL: 27 mg/m³</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm TWA: 1000 mg/m³ (vacated) TWA: 1000 ppm (vacated) TWA: 1500 mg/m³</td>
<td>IDLH: 3300 ppm TWA: 1000 ppm TWA: 1500 mg/m³</td>
</tr>
</tbody>
</table>

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 955 F.2d 962 (11th Cir., 1992).
Appropriate engineering controls

Engineering Controls
Shower, 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

Property
Values
Remarks • Method
pH
8.0 - 9.0

Specific Gravity
1.054

Viscosity
<100 cP @ 25°C

Melting point/freezing point
No Information available

Flash point
None

Bolling point/bolling 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

Product Information
Harmful by Inhalation and in contact with eyes and skin.

Inhalation
Avoid breathing vapors or mists. May cause irritation of respiratory tract.

Eye contact
Avoid contact with eyes. May cause slight irritation.

Skin contact
Avoid contact with skin. Prolonged or repeated contact may dry skin and cause irritation.

Ingestion
Not an expected route of exposure. Do not taste or swallow.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50 (mg/kg) (Rat)</th>
<th>Dermal LD50 (mL/kg) (Rabbit)</th>
<th>Inhalation LC50 (mg/m³) (Rat) 4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy)ethanol</td>
<td>1920</td>
<td>4200</td>
<td>&gt; 5240</td>
</tr>
<tr>
<td>111-90-0</td>
<td></td>
<td>6 mL/kg (Rat)</td>
<td>144 mg/m³ (Rat) 4 h</td>
</tr>
<tr>
<td>Ethanol</td>
<td>7060</td>
<td></td>
<td>124.7 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy)ethanol 111-80-0</td>
<td>-</td>
<td>10.000: 96 h Lepomis macrochirus mg/L LC50 static 19160 - 23900; 98 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700; 99 h Oncorhynchus mykiss mg/L LC50 flow-through 11600 - 16700; 99 h Pimephales promelas mg/L LC50 flow-through 13400; 98 h Salmo gairdneri mg/L LC50 flow-through</td>
<td>3940 - 4870; 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Tributoxyethyl Phosphate 78-51-3</td>
<td>-</td>
<td>10.4 - 12.0; 99 h Pimephales promelas mg/L LC50 flow-through</td>
<td>-</td>
</tr>
<tr>
<td>Nonylphenol Ethoxylate 9016-45-9</td>
<td>-</td>
<td>5: 96 h Fish mg/L LC50</td>
<td>-</td>
</tr>
<tr>
<td>Ammonia 7684-41-7</td>
<td>-</td>
<td>0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.8; 98 h Lepomis macrochirus mg/L LC50 1.17: 98 h Lepomis macrochirus mg/L LC50 flow-through 0.73 - 2.36; 96 h Pimephales promelas mg/L LC50 5.3: 99 h Pimephales promelas mg/L LC50 flow-through 1.5: 99 h Poecilia reticulata mg/L LC50 1.19: 99 h Poecilia reticulata mg/L LC50 static</td>
<td>25.4: 48 h Daphnia magna mg/L LC50</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>-</td>
<td>12.0 - 16.0; 98 h Oncorhynchus mykiss mg/L LC50 static 100: 99 h Pimephales promelas mg/L LC50 static 15400 - 15100; 98 h Pimephales promelas mg/L LC50 flow-through</td>
<td>9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 16800: 24 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Methyl Chloro isothiazolinone 26172-55-4</td>
<td>0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.03 - 0.13: 99 h Pseudokirchneriella subcapitata mg/L EC50 static 0.31: 120 h Anabaena flos-aquae mg/L EC50</td>
<td>1.8: 99 h Oncorhynchus mykiss mg/L LC50 semi-static</td>
<td>4.71: 48 h Daphnia magna mg/L EC50 0.12 - 0.3: 48 h Daphnia magna mg/L EC50 Flow through 0.71 - 0.98: 48 h Daphnia magna mg/L EC50 Static</td>
</tr>
<tr>
<td>Magnesium Chloride 7786-30-3</td>
<td>2200: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>1970 - 3880: 99 h Pimephales promelas mg/L LC50 static 4210: 99 h Gambusia affinis mg/L LC50 static</td>
<td>140: 48 h Daphnia magna mg/L EC50 Static 1400: 24 h Daphnia magna mg/L EC50</td>
</tr>
</tbody>
</table>

Persistence and degradability

No information available.

Bioaccumulation

No information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy)ethanol 111-80-0</td>
<td>-0.8</td>
</tr>
<tr>
<td>Tributoxyethyl Phosphate 78-51-3</td>
<td>4.78</td>
</tr>
<tr>
<td>Ammonia 7684-41-7</td>
<td>-1.14</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>Toxic</td>
</tr>
</tbody>
</table>

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/NDNL Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDNL - 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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy)ethanol - 111-90-0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute health hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden release of pressure hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide 1314-13-2</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Ammonia 7664-41-7</td>
<td>100 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
</tbody>
</table>

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)
### US State Regulations

#### California Proposition 65
This product contains the following Proposition 65 chemicals

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Proposition 65</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol - 64-17-5</td>
<td>Carcinogen</td>
</tr>
<tr>
<td></td>
<td>Developmental</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy)ethanol 111-90-9</td>
<td>X</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>Ammonia 7664-41-7</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Magnesium Nitrate 10377-60-3</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

#### U.S. EPA Label Information
EPA Pesticide Registration Number Not Applicable

### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health hazards</th>
<th>Flammability</th>
<th>Physical hazards</th>
<th>Personal protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

**Issue Date**: 11-July-2014  
**Revision Date**: 01-May-2015

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End of Safety Data Sheet
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA/SARA RQ</th>
<th>Reportable Quantity (RQ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonia</td>
<td>100 lb</td>
<td>100 lb</td>
<td>RQ 100 lb final RQ</td>
</tr>
<tr>
<td>7664.41-7</td>
<td></td>
<td></td>
<td>RG 45.4 kg final RQ</td>
</tr>
</tbody>
</table>

US State Regulations

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<td>-</td>
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</tr>
<tr>
<td>Ammonia</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>7664-41-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ethanol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>64-17-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Magnesium Nitrate</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>10377-60-3</td>
<td></td>
<td></td>
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</tbody>
</table>

**U.S. EPA Label Information**
EPA Pesticide Registration Number  Not Applicable

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<td>Personal protection</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

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**Revision Note**

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