1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
ULTRA 10 BLACK
F10200B

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

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

Hazardous 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

<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>111-80-3</td>
<td>3.7</td>
<td>*</td>
</tr>
<tr>
<td>Tributylphosphate</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>7684-41-7</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
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/PERSOAL PROTECTION

### Control parameters

#### Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>STEL:</th>
<th>TWA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>10 mg/m³</td>
<td>2 mg/m³</td>
</tr>
<tr>
<td>STEL:</td>
<td>10 mg/m³</td>
<td>TWA:</td>
</tr>
<tr>
<td>TWA:</td>
<td>15 mg/m³</td>
<td>Total dust</td>
</tr>
<tr>
<td>TWA:</td>
<td>5 mg/m³</td>
<td>Respirable fraction</td>
</tr>
<tr>
<td>(vacated) TWA:</td>
<td>5 mg/m³</td>
<td>Fume</td>
</tr>
<tr>
<td>(vacated) STEL:</td>
<td>10 mg/m³</td>
<td>Fume</td>
</tr>
</tbody>
</table>

#### Ammonia

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>STEL:</th>
<th>TWA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7664-41-7</td>
<td>35 ppm</td>
<td>25 ppm</td>
</tr>
<tr>
<td>STEL:</td>
<td>10 mg/m³</td>
<td>Fume</td>
</tr>
</tbody>
</table>

#### Ethanol

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>STEL:</th>
<th>TWA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>STEL:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TWA:</td>
<td>1000 ppm</td>
<td></td>
</tr>
<tr>
<td>TWA:</td>
<td>1000 mg/m³</td>
<td></td>
</tr>
<tr>
<td>TWA:</td>
<td>1000 mg/m³</td>
<td></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, 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 practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>Opaque</td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>Off-white</td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td>Mild Ammonia</td>
<td></td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>8.0 - 9.0</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.054</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>&lt;100 cP @ 25°C</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>212 °F (at 760 mm Hg)</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Other Information</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density Lbs/Gal</td>
<td>8.79</td>
<td></td>
</tr>
<tr>
<td>VOC Content (%)</td>
<td>6.10247</td>
<td></td>
</tr>
</tbody>
</table>

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)</th>
<th>Dermal LD50 (μL/kg)</th>
<th>Inhalation LC50 (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy)ethanol 111-00-0</td>
<td>1920 (Rat)</td>
<td>4200 (Rabbit)</td>
<td>&gt; 5240 (Rat) 4 h</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>7080 (Rat)</td>
<td>-</td>
<td>124.7 (Rat) 4 h</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
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.

Chronic toxicity
No information available.

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 component(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 111-90-0</td>
<td>-</td>
<td>10000: 98 h Lepomis macrochirus mg/L, LC50 static 19100 - 23600; 98 h Lepomis macrochirus mg/L, LC50 flow-through 11400 - 15700; 96 h Oncorhyncus mykiss mg/L, LC50 flow-through 11600 - 16700; 96 h Pimephales promelas mg/L, LC50 flow-through 13400; 96 h Salmo gairdneri mg/L, LC50 flow-through</td>
<td>3940 - 4670: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Tributoxyethyl Phosphate 78-51-3</td>
<td>-</td>
<td>10.4 - 12.0: 96 h Pimephales promelas mg/L, LC50 flow-through</td>
<td>-</td>
</tr>
<tr>
<td>Nonylphenol Ethoxylate 5018-45-9</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 0.25 - 4.6; 98 h Lepomis macrochirus mg/L, LC50 1.17 - 98 h Lepomis macrochirus mg/L, LC50 flow-through 0.73 - 2.35; 96 h Pimephales promelas mg/L, LC50 5.9; 98 h Pimephales promelas mg/L, LC50 static 1.6; 96 h Poecilia reticulata mg/L, LC50 1.19; 98 h Poecilia reticulata mg/L, LC50 static</td>
<td>25.6 - 48 h Daphnia magna mg/L, LC50</td>
</tr>
<tr>
<td>Ethanol 64-17-5</td>
<td>-</td>
<td>12.0 - 16.0: 96 h Oncorhyncus mykiss mg/L, LC50 static 100: 96 h Pimephales promelas mg/L, LC50 static 13400 - 16100; 98 h Pimephales promelas mg/L, LC50 flow-through</td>
<td>9288 - 14221: 48 h Daphnia magna mg/L, LC50 2; 48 h Daphnia magna mg/L, EC50 Static 16600; 24 h Daphnia magna mg/L, EC50</td>
</tr>
<tr>
<td>Methyl Chloro isothiazolineone 26172-55-4</td>
<td>0.11 - 0.16: 72 h Pseudokirchneriella subcapitata mg/L, EC50 static 0.03 - 0.13; 96 h Pseudokirchneriella subcapitata mg/L, EC50 static 0.31; 120 h Anabasena flos-aquae mg/L, EC50</td>
<td>1.6: 96 h Oncorhyncus 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 - 0.99; 48 h Daphnia magna mg/L, EC50 Static</td>
</tr>
<tr>
<td>Magnesium Chloride 7786-30-3</td>
<td>2200: 72 h Desmodesmus subspecificus mg/L, EC50</td>
<td>1070 - 3860: 96 h Pimephales promelas mg/L, LC50 static 4210: 96 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 111-90-0</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</td>
<td>Toxic</td>
</tr>
<tr>
<td>1314-13-2</td>
<td></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/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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-ethoxyethoxy)ethanol - 111-80-0</td>
<td>1.0</td>
</tr>
</tbody>
</table>

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)

<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</td>
<td>-</td>
<td>X</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>1314-13-2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonia</td>
<td>100 lb</td>
<td>-</td>
<td>-</td>
<td>X</td>
</tr>
<tr>
<td>7684-41-7</td>
<td></td>
<td></td>
<td></td>
<td></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>Ammonia 7664-41-7</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 111-90-0</td>
<td>X</td>
<td>X</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

NFPA
Health hazards 1 Flammability 0 Instability 0

HMIS
Health hazards 1 Flammability 0 Physical hazards 0

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

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet