# Safety Data Sheet

**Issue Date:** 30-Oct-2013 **Revision Date:** 12-Nov-2013 **Version** 1

## 1. IDENTIFICATION

**Product Identifier**

**Product Name** Ceramax-Fluid Applied Ceramic Elastomeric Coating

**Other means of identification**

**SDS #** CER

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Elastomeric coating for concrete, metal, SPF, asphaltic and other substrates.

**Details of the supplier of the safety data sheet**

**Manufacturer Address**
Acry-Tech Coatings, Inc.
3601 NE 5th Avenue
Oakland Park, FL 33334

**Emergency Telephone Number**

**Company Phone Number** 1-800-771-6001
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** White viscous liquid **Physical State** Liquid **Odor** Mild characteristic ether

**Classification**

| | |
|---|---|
| Acute toxicity - Oral | Category 4 |

**Signal Word**
**Warning**

**Hazard Statements**
Harmful if swallowed

**Precautionary Statements - Prevention**
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

**Precautionary Statements - Response**
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

**Precautionary Statements - Disposal**
Dispose of contents/container to an approved waste disposal plant

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---|---|---|
| Trade Secret | Proprietary | <0.003 |
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea | 330-54-1 | <0.003 |
| Methyl-2-benzimidazole carbamate | 10605-21-7 | <0.002 |
| Iodopropynyl butylcarbamate | 55406-53-6 | <0.002 |
| Ammonium hydroxide | 1336-21-6 | <0.002 |
| Aliphatic Petroleum Distillates | 64741-44-2 | <0.002 |
| Propylene Glycol | 25322-69-4 | <0.001 |
| Isoparaffinic Hydrocarbon | 64742-47-8 | <0.001 |

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.**

## 4. FIRST-AID MEASURES

**First Aid Measures**

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

**Skin Contact** If prolonged contact occurs, rinse thoroughly with water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

**Inhalation** Remove to fresh air.

**Ingestion** Drink 1 or 2 glasses of water. Do not induce vomiting. Call a poison center or doctor/physician if you feel unwell.

**Most important symptoms and effects**

**Symptoms** May cause skin and eye irritation. May cause nausea, vomiting and/or diarrhea if ingested. May include redness, drying and cracking of skin.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** 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** Not determined.

**Specific Hazards Arising from the Chemical**
Non-combustible.

**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** Use personal protective equipment as required. Spills may be slippery.

**Environmental Precautions** Keep spills out of sewers, drains, and open bodies of water.

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

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

**Methods for Clean-Up** Scoop up and collect with an inert absorbent and place into closable containers for disposal. Small spills may be permitted to be flushed to a sanitary sewer. Check with local authorities before proceeding.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only in well-ventilated areas. Protect containers from rupture.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store between 40° and 120°F (4° and 49°C). Protect from freezing.

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

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea 330-54-1 | TWA: 10 mg/m$^3$ | (vacated) TWA: 10 mg/m$^3$ | TWA: 10 mg/m$^3$ |

**Appropriate engineering controls**

**Engineering Controls** None under normal use conditions.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Wear approved safety goggles where a splash hazard exists.

**Skin and Body Protection** Wear protective clothing and gloves to avoid skin contact.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** 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** | White viscous liquid | **Odor** | Mild characteristic ether |
| **Color** | White | **Odor Threshold** | Not determined |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | 8.0-9.0 | |
| **Melting Point/Freezing Point** | 0 °C / 32 °F | |
| **Boiling Point/Boiling Range** | > 100 °C / >212 °F | |
| **Flash Point** | Not applicable | |
| **Evaporation Rate** | <0.1 | |
| **Flammability (Solid, Gas)** | n/a-liquid | |
| **Upper Flammability Limits** | Not applicable | |
| **Lower Flammability Limit** | Not applicable | |
| **Vapor Pressure** | Not established | |
| **Vapor Density** | Not established | |
| **Specific Gravity** | 1.19 | (1=Water) |
| **Water Solubility** | Dilutable in water | |
| **Solubility in other solvents** | Not determined | |
| **Partition Coefficient** | Not determined | |
| **Auto-ignition Temperature** | Not applicable | |
| **Decomposition Temperature** | Not determined | |
| **Kinematic Viscosity** | Not determined | |
| **Dynamic Viscosity** | Not determined | |
| **Explosive Properties** | Not determined | |
| **Oxidizing Properties** | Not determined | |
| **VOC Content** | 0.087 lb/gal; 10.425 g/L | |

## 10. STABILITY AND REACTIVITY

**Reactivity**
Not reactive under normal conditions.

**Chemical Stability**
Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**
None under normal processing.

**Hazardous Polymerization** Hazardous polymerization does not occur.

**Conditions to Avoid**

Temperatures >100 °C.

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

**Hazardous Decomposition Products**
Carbon oxides. Nitrogen oxides (NOx).

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Avoid contact with skin.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** Harmful if swallowed.

**Component Information**

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea 330-54-1 | - | - | > 0.265 mg/L ( Rat ) |
| Aliphatic Petroleum Distillates 64741-44-2 | = 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | = 1.72 mg/L ( Rat ) 4 h |
| Methyl-2-benzimidazole carbamate 10605-21-7 | = 6400 mg/kg ( Rat ) | = 2 g/kg ( Rat ) = 8500 mg/kg ( Rabbit ) | - |
| Ammonium hydroxide 1336-21-6 | = 350 mg/kg ( Rat ) | - | - |
| Propylene Glycol 25322-69-4 | > 2 g/kg ( Rat ) | - | - |
| Isoparaffinic Hydrocarbon 64742-47-8 | > 5000 mg/kg ( Rat ) | > 2000 mg/kg ( Rabbit ) | > 5.2 mg/L ( Rat ) 4 h |

**Information on physical, chemical and toxicological effects**

**Symptoms** Please see section 4 of this SDS for symptoms.

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

**Carcinogenicity** Carcinogenic potential is unknown.

**Numerical measures of toxicity**
Product Information

**Oral LD50** 1620 mg/kg (rat)
**Dermal LD50** > 2000 mg/kg (rabbit)

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea 330-54-1 | 0.022: 96 h Desmodesmus subspicatus mg/L EC50 0.036: 72 h Desmodesmus subspicatus mg/L EC50 static 0.1: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 0.0007: 96 h Pseudokirchneriella subcapitata mg/L EC50 static | 13.4 - 15: 96 h Pimephales promelas mg/L LC50 flow-through 13.4 - 15: 96 h Pimephales promelas mg/L LC50 static 2.3 - 3.3: 96 h Lepomis macrochirus mg/L LC50 static 4: 96 h Lepomis macrochirus mg/L LC50 1.5 - 2.54: 96 h Oncorhynchus mykiss mg/L LC50 static 14.7: 96 h Oncorhynchus mykiss mg/L LC50 2.9: 96 h Cyprinus carpio mg/L LC50 | | 1.4: 48 h Daphnia magna mg/L EC50 6.3 - 13: 48 h Daphnia magna mg/L EC50 Static |
| Iodopropynyl butylcarbamate 55406-53-6 | | 0.14 - 0.32: 96 h Lepomis macrochirus mg/L LC50 flow-through 0.049 - 0.079: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.05 - 0.089: 96 h Oncorhynchus mykiss mg/L LC50 0.18 - 0.23: 96 h Pimephales promelas mg/L LC50 flow-through | | |
| Ammonium hydroxide 1336-21-6 | | 8.2: 96 h Pimephales promelas mg/L LC50 | | 0.66: 48 h water flea mg/L EC50 0.66: 48 h Daphnia pulex mg/L EC50 |
| Isoparaffinic Hydrocarbon 64742-47-8 | | 45: 96 h Pimephales promelas mg/L LC50 flow-through 2.2: 96 h Lepomis macrochirus mg/L LC50 static 2.4: 96 h Oncorhynchus mykiss mg/L LC50 static | | 4720: 96 h Den-dronereides heteropoda mg/L LC50 |

**Persistence/Degradability**
Not determined.

**Bioaccumulation**
Not determined.

**Mobility**

| Chemical Name | Partition Coefficient |
|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea 330-54-1 | 2.82 |
| Aliphatic Petroleum Distillates 64741-44-2 | 6 |

**Other Adverse Effects**
Not determined

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

**US EPA Waste Number**

| Chemical Name | RCRA | RCRA - Basis for Listing | RCRA - D Series Wastes | RCRA - U Series Wastes |
|---|---|---|---|---|
| Methyl-2-benzimidazole carbamate 10605-21-7 | U372 | Included in waste streams: K156, K158 | | U372 |

**California Hazardous Waste Status**

| Chemical Name | California Hazardous Waste Status |
|---|---|
| Ammonium hydroxide 1336-21-6 | Toxic Corrosive |

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

## 15. REGULATORY INFORMATION

**International Inventories**

**TSCA** Not Listed

**Legend:**

***TSCA*** *- United States Toxic Substances Control Act Section 8(b) Inventory*

***DSL/NDSL*** *- Canadian Domestic Substances List/Non-Domestic Substances List*

***EINECS/ELINCS*** *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

***ENCS*** *- Japan Existing and New Chemical Substances*

***IECSC*** *- China Inventory of Existing Chemical Substances*

***KECL*** *- Korean Existing and Evaluated Chemical Substances*

***PICCS*** *- Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

| Chemical Name | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ) |
|---|---|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea 330-54-1 | 100 lb | | RQ 100 lb final RQ<br>RQ 45.4 kg final RQ |
| Methyl-2-benzimidazole carbamate 10605-21-7 | 10 lb | | RQ 10 lb final RQ<br>RQ 4.54 kg final RQ |
| Ammonium hydroxide 1336-21-6 | 1000 lb | | RQ 1000 lb final RQ<br>RQ 454 kg final RQ |

**SARA 311/312 Hazard Categories**

Not applicable

**SARA 313**

Not Applicable

| Chemical Name | CAS No | Weight-% | SARA 313 - Threshold Values % |
|---|---|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea - 330-54-1 | 330-54-1 | <0.003 | 1.0 |
| Iodopropynyl butylcarbamate - 55406-53-6 | 55406-53-6 | <0.002 | 1.0 |
| Ammonium hydroxide - 1336-21-6 | 1336-21-6 | <0.002 | 1.0 |

**CWA (Clean Water Act)**

| Component | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea 330-54-1 ( <0.003 ) | 100 lb | | | X |
| Ammonium hydroxide 1336-21-6 ( <0.002 ) | 1000 lb | | | X |

**US State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical Name | California Proposition 65 |
|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea - 330-54-1 | Carcinogen |

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

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|---|---|---|
| n-(3, 4-Dichlorophenyl)-n, n-Dimethylurea 330-54-1 | X | X | X |
| Iodopropynyl butylcarbamate 55406-53-6 | X | | |
| Methyl-2-benzimidazole carbamate 10605-21-7 | X | | |
| Ammonium hydroxide 1336-21-6 | X | X | X |

## 16. OTHER INFORMATION

| | | | | |
|---|---|---|---|---|
| **NFPA** | **Health Hazards** | **Flammability** | **Instability** | **Special Hazards** |
| | 1 | 0 | 0 | Not determined |
| **HMIS** | **Health Hazards** | **Flammability** | **Physical Hazards** | **Personal Protection** |
| | 1 | 0 | 0 | Not determined |

**Issue Date:** 30-Oct-2013
**Revision Date:** 12-Nov-2013
**Revision Note:** New format

**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**