



# SAFETY DATA SHEET

Issue Date 26-May-2015

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Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier

**Product Name** Undercoat Sealer

### Other means of identification

**SDS#** JC-014-010

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

**Company Name** Iowa Prison Industries  
Housekeeping/Laundry Division  
406 N. High Street  
Anamosa, IA 52205  
319-462-3706

### Emergency telephone number

**Emergency Telephone** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This product has been classified in accordance with the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                         |                |
|-------------------------|----------------|
| Acute toxicity - Oral   | Not classified |
| Acute toxicity - Dermal | Not classified |

### Label elements

#### **Emergency Overview**

**Appearance** Opaque

**Physical state** Liquid

**Odor** Ammonia

#### **Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

### Hazards not otherwise classified (HNOC)

#### Other Information

- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown Acute Toxicity 0.10842567% of the mixture consists of ingredient(s) of unknown toxicity

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                   | CAS No.     | Weight-% | Trade Secret |
|---------------------------------|-------------|----------|--------------|
| Acrylic Copolymer               | Proprietary | 10-30    | *            |
| Tributoxyethyl Phosphate        | 78-51-3     | 1-5      | *            |
| Zinc Ammonium Carbonate Complex | Proprietary | 1-5      | *            |

\*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. |
|-----------------|--|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | 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

|                             |  |
|-----------------------------|--|
| <b>Personal precautions</b> | Ensure adequate ventilation, especially in confined areas. |
|-----------------------------|--|

##### Environmental precautions

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | See Section 12 for additional ecological information. |
|----------------------------------|---|

##### Methods and material for containment and cleaning up

|                                |   |
|--------------------------------|---|
| <b>Methods for containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

|                                |  |
|--------------------------------|--|
| <b>Methods for cleaning up</b> | 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   |
|--------------------|----------------|--|--|
| Ethanol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>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** No Information available. Avoid contact with eyes.

**Skin and body protection** No Information available. No special technical protective measures are necessary. Wear protective gloves and protective clothing if needed.

**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** White  
**Odor** Ammonia  
**Odor threshold** No Information available

| <u>Property</u>              | <u>Values</u>            | <u>Remarks • Method</u> |
|------------------------------|--------------------------|-------------------------|
| pH                           | 8.5 - 9.5                |                         |
| Specific Gravity             | 1.02                     |                         |
| Viscosity                    | <25 cP @ 25°C            |                         |
| Melting point/freezing point | No Information available |                         |
| Flash point                  | Above 200°F              |                         |

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Boiling point / boiling range</b> | >= 212 ° F (at 760 mm Hg) |
| <b>Evaporation rate</b>              | No Information available  |
| <b>Flammability (solid, gas)</b>     | No data available         |
| <b>Flammability Limits in Air</b>    |                           |
| <b>Upper flammability limit:</b>     | No Information available  |
| <b>Lower flammability limit:</b>     | No Information available  |
| <b>Vapor pressure</b>                | No Information available  |
| <b>Vapor density</b>                 | No Information available  |
| <b>Water solubility</b>              | Complete                  |
| <b>Partition coefficient</b>         | No Information available  |
| <b>Autoignition temperature</b>      | No Information available  |
| <b>Decomposition temperature</b>     | No Information available  |

**Other Information**

|                        |         |
|------------------------|---------|
| <b>Density Lbs/Gal</b> | 8.50    |
| <b>VOC Content (%)</b> | 4.07456 |

**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**

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | No data available. Avoid breathing vapors or mists. Not an expected route of exposure.   |
| <b>Eye contact</b>  | No data available. Avoid contact with eyes.  |
| <b>Skin Contact</b> | Avoid contact with skin. Causes mild skin irritation.                                    |
| <b>Ingestion</b>    | May be harmful if swallowed. Not an expected route of exposure. Do not taste or swallow. |

| <b>Chemical Name</b>                | <b>Oral LD50</b>    | <b>Dermal LD50</b>    | <b>Inhalation LC50</b> |
|-------------------------------------|---------------------|-----------------------|------------------------|
| Tributoxyethyl Phosphate<br>78-51-3 | = 3 g/kg ( Rat )    | > 16 mL/kg ( Rabbit ) | > 6.4 mg/L ( Rat ) 4 h |
| Zinc Ammonium Carbonate<br>Complex  | = 500 mg/kg ( Rat ) | -                     | -                      |

**Information on toxicological effects**

**Symptoms** No Information available.

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

|                                 |   |
|---------------------------------|---|
| <b>Sensitization</b>            | No Information available.   |
| <b>Germ cell mutagenicity</b>   | No Information available.   |
| <b>Carcinogenicity</b>          | No Information available.   |
| <b>Reproductive toxicity</b>    | No Information available.   |
| <b>STOT - single exposure</b>   | No Information available.   |
| <b>STOT - repeated exposure</b> | No Information available.   |
| <b>Chronic toxicity</b>         | 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. |
| <b>Aspiration hazard</b>        | No Information available.   |

**Numerical measures of toxicity - Product Information**

**Unknown Acute Toxicity** 0.10842567% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

|                                      |                 |
|--------------------------------------|-----------------|
| <b>ATEmix (oral)</b>                 | 7,250.00 mg/kg  |
| <b>ATEmix (dermal)</b>               | 42,725.00 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 131.06 mg/l     |

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

24.36691% of the mixture consists of components(s) of unknown hazards to the aquatic environment

| <b>Chemical Name</b>                        | <b>Algae/aquatic plants</b>   | <b>Fish</b>  | <b>Crustacea</b>  |
|---|---|--|---|
| 2-(2-ethoxyethoxy)ethanol<br>111-90-0       | -   | 19100 - 23900: 96 h Lepomis macrochirus mg/L LC50 flow-through 11400 - 15700: 96 h Oncorhynchus 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 10000: 96 h Lepomis macrochirus mg/L LC50 static | 3940 - 4670: 48 h Daphnia magna mg/L EC50   |
| Tributoxyethyl Phosphate<br>78-51-3         | -   | 10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through   | -   |
| Nonylphenol Ethoxylate<br>9016-45-9         | -   | 5: 96 h Fish mg/L LC50   | -   |
| Ethanol<br>64-17-5                          | -   | 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through   | 10800: 24 h Daphnia magna mg/L EC50 9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static                     |
| Methyl Chloro Isothiazolinone<br>26172-55-4 | 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 Anabaena flos-aquae mg/L EC50 | 1.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static  | 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 |
| Magnesium Chloride<br>7786-30-3             | 2200: 72 h Desmodesmus subspicatus mg/L EC50  | 4210: 96 h Gambusia affinis mg/L LC50 static 1970 - 3880: 96 h Pimephales promelas mg/L LC50 static  | 1400: 24 h Daphnia magna mg/L EC50 140: 48 h Daphnia magna mg/L EC50 Static   |

**Persistence and degradability**

No Information available.

**Bioaccumulation**

No Information available.

| Chemical Name                       | Partition coefficient |
|-------------------------------------|-----------------------|
| Tributoxyethyl Phosphate<br>78-51-3 | 3.65 - 4.78           |

**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.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name                   | California Hazardous Waste Status |
|---------------------------------|-----------------------------------|
| Zinc Ammonium Carbonate Complex | 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                           |
| Zinc Ammonium Chloride - 38714-47-5  | 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 Ammonium Carbonate Complex | -                           | X                      | -                         | -                          |

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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

This product has been evaluated and does not require warning labeling under California Proposition 65.

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

| Chemical Name                         | New Jersey | Massachusetts | Pennsylvania |
|---------------------------------------|------------|---------------|--------------|
| 2-(2-ethoxyethoxy)ethanol<br>111-90-0 | X          | -             | X            |
| Zinc Ammonium Carbonate<br>Complex    | X          | -             | X            |
| Ethanol<br>64-17-5                    | X          | X             | X            |
| Magnesium Nitrate<br>10377-60-3       | X          | X             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

|                              |
|------------------------------|
| <b>16. OTHER INFORMATION</b> |
|------------------------------|

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

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**Revision Note**

No Information available

**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**