



# MATERIAL SAFETY DATA SHEET

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

|   |   |   |                         |
|---|---|---|-------------------------|
| PRODUCT IDENTIFIER<br><b>BUCKEYE CASTLEGUARD CODE: 5125</b>     |   | PRODUCT IDENTIFICATION NUMBER (PIN) <b>Not Applicable</b> |                         |
| PRODUCT USE<br><b>Floor Finish, Water Based</b>                 |   |   |                         |
| MANUFACTURER'S NAME<br><b>BUCKEYE INTERNATIONAL, INC.</b>       |   | SUPPLIER'S NAME   |                         |
| STREET ADDRESS<br><b>2700 WAGNER PLACE</b>                      |   | STREET ADDRESS  |                         |
| CITY<br><b>MARYLAND HEIGHTS</b>                                 | PROVINCE<br><b>MISSOURI, U.S.A.</b>                         | CITY  | PROVINCE                |
| POSTAL CODE<br><b>63043-3471</b>                                | MEDICAL EMERGENCY TELEPHONE NUMBER<br><b>1-800-303-0441</b> | POSTAL CODE   | EMERGENCY TELEPHONE NO. |
| TRANSPORTATION EMERGENCY TELEPHONE NUMBER <b>1-800-535-5053</b> |   |   |                         |

## SECTION 2 - INGREDIENTS

| INGREDIENTS                   | % wgt/wgt | CAS NUMBER | LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE) | LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES) |
|-------------------------------|-----------|------------|--|--|
| Diethylene Glycol Ethyl Ether | 4.7       | 111-90-0   | Rat Oral 5.4 g/kg  | >10 g/kg Rabbit Skin                             |
| Water                         | 40-70     | 7732-18-5  | Not Available  | Not Available                                    |
| Acrylic Emulsion              | 30-60     | 25987-66-0 | Not Available  | 24,000 ppm Rat                                   |
| Ethylene Co-Polymer Emulsion  | 5-10      | 67892-91-5 | Not Available  | Not Available                                    |
| Acrylate Copolymer            | 5-10      | 63744-68-3 | Not Available  | Not Available                                    |
| Tributoxyethyl Phosphate      | 1-5       | 78-51-3    | Rat Oral 9.49 g/kg   | 30 mg/L Rat                                      |
|                               |           |            |  |  |

## SECTION 3 - PHYSICAL DATA

|  |  |  |  |   |
|--|--|--|--|---|
| PHYSICAL STATE<br><b>Liquid</b>                | ODOUR AND APPEARANCE<br><b>Sweet Polymer - White Opaque Solution</b> |  |  |   |
| VAPOUR PRESSURE (mmHG)<br><b>Not Available</b> | VAPOUR DENSITY (Air=1)<br><b>Not Available</b>                       | EVAPORATION RATE (Water =1) <b>1.0</b> | BOILING POINT (°C)<br><b>100°</b>              | FREEZING POINT (°C)<br><b>0°</b>              |
| pH (CONC.)<br><b>8.0 ± 0.2</b>                 | pH (USE DILUTION) RTU<br><b>8.0 ± 0.2</b>                            | SPECIFIC GRAVITY<br><b>1.03 + 0.01</b> | COEFF. WATER/OIL DIST.<br><b>Not Available</b> | ODOUR THRESHOLD (ppm)<br><b>Not Available</b> |

## SECTION 4 - FIRE AND EXPLOSION DATA

|  |  |  |  |  |
|--|--|--|--|--|
| FLAMMABILITY IF YES, UNDER WHICH CONDITIONS?<br><b>No</b>                          | MEANS OF EXTINCTION<br><b>Not Applicable</b>                 |  |  |  |
| FLASHPOINT (°C) AND METHOD<br><b>Tag Closed Cup - None!</b>                        | UPPER FLAMMABLE LIMIT (% BY VOLUME)<br><b>Not Applicable</b> | LOWER FLAMMABLE LIMIT (% BY VOLUME)<br><b>Not Applicable</b> |  |  |
| HAZARDOUS COMBUSTION PRODUCTS<br><b>Oxides of carbon, phosphorus and nitrogen.</b> |  |  |  |  |
| EXPLOSION DATA   | SENSITIVITY TO IMPACT<br><b>Not Applicable</b>               |  | SENSITIVITY TO STATIC DISCHARGE<br><b>Not Applicable</b> |  |

## SECTION 5 - REACTIVITY DATA

|   |   |  |  |  |
|---|---|--|--|--|
| CHEMICAL STABILITY IF NO, UNDER WHICH CONDITIONS?<br><b>Yes</b> | INCOMPATIBILITY WITH OTHER SUBSTANCES? IF SO, WHICH ONES?<br><b>Yes Acids, strong alkali and heavy metal salts.</b> |  |  |  |
| REACTIVITY, AND UNDER WHAT CONDITIONS<br><b>None Known</b>      |   |  |  |  |
| HAZARDOUS DECOMPOSITION PRODUCTS<br><b>None Known</b>           |   |  |  |  |

PRODUCT IDENTIFIER  
**BUCKEYE CASTLEGUARD CODE 5125**

**SECTION 6 - TOXICOLOGICAL PROPERTIES**

|                |              |                 |             |            |           |
|----------------|--------------|-----------------|-------------|------------|-----------|
| ROUTE OF ENTRY | SKIN CONTACT | SKIN ABSORPTION | EYE CONTACT | INHALATION | INGESTION |
|                | No           | No              | No          | No         | No        |

EFFECTS OF ACUTE EXPOSURE TO PRODUCT  
 Not irritating to eyes. Not irritating to skin. Not toxic by ingestion.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT  
 None Known

|                                  |                                       |  |                                    |
|----------------------------------|---------------------------------------|--|------------------------------------|
| EXPOSURE LIMITS<br>Not Available | IRRITANCY OF PRODUCT<br>Not Available | SENSITIZATION TO PRODUCT<br>None Known | CARCINOGENICITY<br>No              |
| TERATOGENICITY<br>No             | REPRODUCTIVE TOXICITY<br>No           | MUTAGENICITY<br>No                     | SYNERGISTIC PRODUCTS<br>None Known |

**SECTION 7 - PREVENTIVE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT

|  |                                       |   |
|--|---------------------------------------|---|
| GLOVES (SPECIFY) Rubber gloves or other chemical resistant gloves. Needed for clean up of spill or for prolonged skin contact. | RESPIRATOR (SPECIFY)<br>None Required | EYE (SPECIFY) When eye contact may occur, wear safety glasses or chemical splash goggles. |
| FOOTWEAR (SPECIFY) Normal Footwear   | CLOTHING (SPECIFY) Normal Clothing    | OTHER (SPECIFY) None under normal use.  |

ENGINEERING CONTROLS (SPECIFY: e.g. VENTILATION, ENCLOSED PROCESS.)  
 Normal room ventilation.

LEAK AND SPILL PROCEDURE  
 Pick up with mop, wet/dry vac or absorbent material. Wash area with detergent solution followed by a clear water rinse. Allow floor to dry before allowing traffic.

WASTE DISPOSAL  
 Flush to sanitary sewer or send to sanitary landfill, following local, provincial and federal laws.

HANDLING PROCEDURES AND EQUIPMENT  
 Wash thoroughly with soap and water after handling.

STORAGE REQUIREMENTS  
**KEEP OUT OF REACH OF CHILDREN!**  
 Keep from freezing! Keep container closed when not in use.  
 Store at room temperature. Do not store above 44°C.

SPECIAL SHIPPING INFORMATION  
 Compound, Polishing or Wax, Liquid.

**SECTION 8 - FIRST AID MEASURES**

SPECIFIC MEASURES  
 For Eyes: Flush with cool water for 15 minutes. If irritation occurs and persists, see physician.  
 For Skin: Wash with soap and water. If irritation occurs and persists, see physician.  
 For Ingestion: Call for medical advice immediately. DO NOT induce vomiting. Do not give anything by mouth unless directed to do so by a medical professional.

This product is not regulated under WHMIS.

**RATING**  
 4 = EXTREME  
 3 = SERIOUS  
 2 = MODERATE  
 1 = SLIGHT  
 0 = MINIMAL

| HAZARD     | NFPA | HMIS |
|------------|------|------|
| HEALTH     | 0    | 0    |
| FIRE       | 0    | 0    |
| REACTIVITY | 0    | 0    |

**SECTION 9 - PREPARATION DATE OF MSDS**

|  |                                |                       |
|--|--------------------------------|-----------------------|
| PREPARED BY (GROUP, DEPARTMENT, ETC.)<br>SCOTT MAAG - DIRECTOR OF RESEARCH | PHONE NUMBER<br>(314) 291-1900 | DATE<br>March 1, 2009 |
|--|--------------------------------|-----------------------|