



MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT IDENTIFICATION AND USE

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|--|--|---|-------------------------|
| PRODUCT IDENTIFIER BUCKEYE GYM BOND CODE: 5190 | | PRODUCT IDENTIFICATION NUMBER (PIN) Not Applicable | |
| PRODUCT USE Urethane Bonding Agent, Water Based | | | |
| MANUFACTURER'S NAME BUCKEYE INTERNATIONAL, INC. | | SUPPLIER'S NAME | |
| STREET ADDRESS 2700 WAGNER PLACE | | STREET ADDRESS | |
| CITY MARYLAND HEIGHTS | PROVINCE MISSOURI, U.S.A. | CITY | PROVINCE |
| POSTAL CODE 63043-3471 | MEDICAL EMERGENCY TELEPHONE NUMBER 1-800-303-0441 | POSTAL CODE | EMERGENCY TELEPHONE NO. |
| TRANSPORTATION EMERGENCY TELEPHONE NUMBER 1-800-535-5053 | | | |

SECTION 2 - INGREDIENTS

| INGREDIENTS | % | CAS NUMBER | LD ₅₀ OF INGREDIENT (SPECIFY SPECIES AND ROUTE) | LC ₅₀ OF INGREDIENT (SPECIFY SPECIES) |
|---------------------------------|--------|------------|---|---|
| Diethylene Glycol Ethyl Ether | 1.00 | 111-90-0 | Rat Oral 5.4 g/kg | Not Available |
| Polyurethane Aqueous Dispersion | 15-40 | Blend | Not Available | Not Available |
| Soft Water | 60-100 | 7732-18-5 | Not Available | Not Available |
| Urethane Copolymer | 3-7 | Blend | Not Available | Not Available |
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SECTION 3 - PHYSICAL DATA

| | | | | |
|---|---|------------------------------------|---|--|
| PHYSICAL STATE Liquid | ODOUR AND APPEARANCE Sweet Polymer - No Fragrance Added; White Opaque Solution | | | |
| VAPOUR PRESSURE (mmHG) Not Available | VAPOUR DENSITY (Air=1) Not Available | EVAPORATION RATE (Water =1) 1.0 | BOILING POINT (°C) 100° | FREEZING POINT (°C) 0° |
| pH (CONC.) 8.0 ± 0.2 | pH (USE DILUTION) RTU 8.0 ± 0.2 | SPECIFIC GRAVITY 1.02 ± 0.01 | COEFF. WATER/OIL DIST. Not Available | ODOUR THRESHOLD (ppm) Not Available |

SECTION 4 - FIRE AND EXPLOSION DATA

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

SECTION 5 - REACTIVITY DATA

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

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|---|------------------------------------|----------------------|--------------------------|---|----------------------|
| PRODUCT IDENTIFIER | | | | | |
| BUCKEYE GYM BOND CODE 5190 | | | | | |
| SECTION 6 - TOXICOLOGICAL PROPERTIES | | | | | |
| ROUTE OF ENTRY | SKIN CONTACT | SKIN ABSORPTION | EYE CONTACT | INHALATION | INGESTION |
| | Yes | No | Yes | No | No |
| EFFECTS OF ACUTE EXPOSURE TO PRODUCT | | | | | |
| May cause eye and skin irritation. | | | | | |
| EFFECTS OF CHRONIC EXPOSURE TO PRODUCT | | | | | |
| None Known | | | | | |
| EXPOSURE LIMITS | IRRITANCY OF PRODUCT | | SENSITIZATION TO PRODUCT | | CARCINOGENICITY |
| Not Available | May cause eye and skin irritation. | | Not Available | | No |
| TERATOGENICITY | REPRODUCTIVE TOXICITY | | MUTAGENICITY | | SYNERGISTIC PRODUCTS |
| No | No | | No | | 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) | | EYE (SPECIFY) When eye contact may occur, wear safety glasses or chemical splash goggles. | |
| | | None Required | | | |
| FOOTWEAR (SPECIFY) | | CLOTHING (SPECIFY) | | OTHER (SPECIFY) | |
| Normal Footwear | | Normal Clothing | | None required. | |
| ENGINEERING CONTROLS (SPECIFY: e.g. VENTILATION, ENCLOSED PROCESS.) | | | | | |
| Maintain adequate 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 hands thoroughly with soap and water after using product. | | | | | |
| STORAGE REQUIREMENTS | | | | | |
| KEEP OUT OF REACH OF CHILDREN! Keep from freezing! Store at room temperature. Keep container closed when not in use. 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 | |
| SECTION 9 - PREPARATION DATE OF MSDS | | | | | |
| PREPARED BY (GROUP, DEPARTMENT, ETC.) | | | PHONE NUMBER | | DATE |
| SCOTT MAAG - VICE PRESIDENT OF OPERATIONS | | | (314) 291-1900 | | February 15, 2015 |