

# BBC Biochemical MATERIAL SAFETY DATA SHEET

## Section 1. Chemical Product and Company Information

|   |  |
|---|--|
| <b>Common Name:</b> Stick•Tite™   | <b>Code:</b> 6200  |
| <b>Supplier:</b> BBC Biochemical  | <b>MSDS#:</b> 6200   |
| <b>Synonym:</b> Stick•Tite™ Tissue Adhesive   | <b>Validation Date:</b> 3-18-09  |
| <b>Trade Name:</b> Not available  | <b>Print Date:</b> 3-18-09   |
| <b>Material Uses:</b> Not available   | <b>Responsible Name:</b> Dr. B   |
| <b>Manufacturer:</b> BBC Biochemical<br>PO Box 1320<br>409 Eleanor Lane<br>Mount Vernon, WA 98273<br>1-800-635-4477 | <b>In Case of Emergency:</b> 1-800-424-9300 Chemtrec USA<br>1-202-483-7616 Chemtrec Intrl<br>Non-Transport calls: 800-225-8867<br>1-800-635-4477 |

## Section 2. Composition and Information on Ingredients

| Name                          | CAS#          | % by Weight | Exposure Limits   |
|-------------------------------|---------------|-------------|-------------------|
| 1) Gelatin                    | 9000-70-8     | N/A         | Not available.    |
| 2) Chromium potassium sulfate | 7788-99-0     | N/A         | Not available.    |
| 3) Select Preservatives       | Not available | N/A         | None established. |

## Section 3. Hazards Identification

|  |   |
|--|---|
| <b>Physical State and Appearance</b>                 | Pale Green Liquid   |
| <b>Emergency Overview</b>                            | Corrosive action on skin and mucous membranes. Chromate salts have been associated with cancer of the lungs. Irritation to mucous membranes, skin and eyes. Ingestion may cause stomach cramps and nausea. Eyes may sting and have a burning sensation. |
| <b>Routes of Entry</b>                               | Mucous membranes, skin, eyes.   |
| <b>Potential Acute Health Effects</b>                |   |
| <b>Eyes</b>  | Slightly hazardous in case of eye contact (irritant).   |
| <b>Skin</b>  | Slightly hazardous in case of skin contact (irritant). Corrosive action on skin. Skin inflammation is characterized by itching, scaling, reddening or occasionally blistering.  |
| <b>Inhalation</b>                                    | Slightly hazardous in case of inhalation.   |
| <b>Ingestion</b>                                     | Slightly hazardous in case of ingestion.  |
| <b>Potential Chronic Health Effects</b>              | <b>Carcinogenic Effects:</b> Classified 3 (Not classifiable for human) by IARC (Chromium potassium sulfate).<br><b>Mutagenic Effects:</b> Not available.<br><b>Teratogenic Effects:</b> Not available.  |
| <b>Medical Conditions Aggravated by Overexposure</b> | Repeated or prolonged exposure is not known to aggravate medical condition.   |
| <b>Overexposure/Signs/Symptoms</b>                   | Irritation to mucous membranes, skin, eyes. Ingestion may cause stomach cramps and nausea. Eyes may sting and have a burning sensation.<br><b>See Toxicological Information(Section 11)</b>   |

## Section 4. First Aid Measures

|                           |   |
|---------------------------|---|
| <b>Eye Contact</b>        | Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open.  |
| <b>Skin Contact</b>       | After contact with skin, wash immediately with plenty of water for at least 15 minutes. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.                                |
| <b>Inhalation</b>         | Allow the victim to rest in a well-ventilated area. Seek immediate medical attention. Blow nose, irrigate nasal passages and mouth with salt water.   |
| <b>Ingestion</b>          | Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention. Have conscious person drink several glasses of water or milk. Do not induce vomiting. |
| <b>Notes to Physician</b> | Not available.  |

## Section 5. Fire Fighting Measures

|                                    |   |
|------------------------------------|---|
| <b>Flammability of the Product</b> | May be combustible at high temperature. |
|------------------------------------|---|

|  |   |
|--|---|
| <b>Product</b>   |   |
| <b>Auto-ignition Temperature</b>                           | Not available.  |
| <b>Flash Points</b>  | Not available.  |
| <b>Flammable Limits</b>                                    | Not available.  |
| <b>Products of Combustion</b>                              | These products are carbon oxides (CO, CO <sub>2</sub> ), sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> .....) Some metallic oxides.                                  |
| <b>Fire Hazards in Presence Of Various Substances</b>      | Slightly flammable to flammable in presence of heat   |
| <b>Explosion Hazards in Presence of Various Substances</b> | Risks of explosion of the product in presence of mechanical impact: Not available.<br>Risks of explosion of the product in presence of static discharge: Not available. |
| <b>Fire Fighting Media and Instructions</b>                | SMALL FIRE: Use DRY chemical powder.<br>LARGE FIRE: Use water spray, fog or foam. Do not use water jet.   |
| <b>Protective Clothing (Fire)</b>                          | Be sure to use an approved/certified respirator or equivalent.  |
| <b>Special Remarks on Fire Hazards</b>                     | Not available.  |
| <b>Special Remarks on Explosion Hazards</b>                | Not available.  |

### Section 6. Accidental Release Measures

|                             |  |
|-----------------------------|--|
| <b>Small Spill and Leak</b> | Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. |
| <b>Large Spill and Leak</b> | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.   |

### Section 7, Handling and Storage

|                 |  |
|-----------------|--|
| <b>Handling</b> | Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.  |
| <b>Storage</b>  | Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents. |

### Section 8. Exposure Controls / Personal Protection

|   |   |
|---|---|
| <b>Engineering Controls</b>   | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location. |
| <b>Personal Protection</b>  |   |
| <b>Eyes</b>   | Safety glasses.   |
| <b>Body</b>   | Lab coat.   |
| <b>Respiratory</b>  | Not applicable.   |
| <b>Hands</b>  | Not applicable.   |
| <b>Feet</b>   | Not applicable.   |
| <b>Personal Protection in Case of a Large Spill</b>                 | Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.   |
| <b>Product Name</b>   | <b>Exposure Limits</b>  |
| 1) Gelatin  | Not available.  |
| 2) Chromium potassium sulfate                                       | Not available.  |
| <b>Consult Local authorities before acceptable exposure limits.</b> |   |

### Section 9. Physical and Chemical Properties

|                                      |   |               |                    |
|--------------------------------------|---|---------------|--------------------|
| <b>Physical State and Appearance</b> | Liquid.   | <b>Odor:</b>  | Gelatin-like odor. |
| <b>Molecular Weight</b>              | Not applicable.   | <b>Taste:</b> | Not available.     |
| <b>Molecular Formula</b>             | Not applicable.   | <b>Color:</b> | Green. Blue.       |
| <b>pH (1%/Water)</b>                 | Not applicable.   |               |                    |
| <b>Boiling/Condensation Point</b>    | 100°C (212°F)   |               |                    |
| <b>Melting/Freezing Point</b>        | Not applicable.   |               |                    |
| <b>Critical Temperature</b>          | Not applicable.   |               |                    |
| <b>Specific Gravity</b>              | The only known value is 1.826 (Water=1) (Chromium potassium sulfate). |               |                    |
| <b>Vapor Pressure</b>                | Not applicable.   |               |                    |
| <b>Vapor Density</b>                 | Not applicable.   |               |                    |

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Volatility</b>                 | Not applicable.               |
| <b>Odor Threshold</b>             | Not applicable.               |
| <b>Evaporation Rate</b>           | Not applicable.               |
| <b>VOC</b>                        | Not available.                |
| <b>Viscosity</b>                  | Not available.                |
| <b>Ionicity (in water)</b>        | Not available.                |
| <b>Dispersion Properties</b>      | See solubility in water.      |
| <b>Solubility</b>                 | Easily soluble in cold water. |
| <b>Physical Chemical Comments</b> | Not available.                |

### **Section 10. Stability and Reactivity**

|  |                         |
|--|-------------------------|
| <b>Stability and Reactivity</b>                | This product is stable. |
| <b>Conditions of Instability</b>               | Not available.          |
| <b>Incompatibility with Various Substances</b> | Not available.          |
| <b>Hazardous Decomposition Products</b>        | Not available.          |
| <b>Hazardous Polymerization</b>                | No.                     |

### **Section 11. Toxicological Information**

|   |   |
|---|---|
| <b>Toxicity to Animals</b>                              | LD50: Not available.<br>LC50: Not available.  |
| <b>Chronic Effects on Humans</b>                        | Chromate salts have been associated with cancer of the lungs.   |
| <b>Other Toxic Effects on Humans</b>                    | Slightly dangerous to dangerous in case of skin contact (corrosive, irritant, sensitizer, permeator), eye Contact (irritant), ingestion and inhalation. |
| <b>Special Remarks on Toxicity to Animals</b>           | Not available.  |
| <b>Special Remarks on Chronic Effects on Humans</b>     | Not available.  |
| <b>Special Remarks on Other Toxic Effects on Humans</b> | Not available.  |

### **Section 12. Ecological Information**

|  |   |
|--|---|
| <b>Ecotoxicity</b>                                       | Not available.  |
| <b>BODS and COD</b>                                      | Not available.  |
| <b>Biodegradable/OEDC Mobility</b>                       | Not available.  |
|  | Possibly hazardous short term degradation products and not likely. However, long term degradation products may arise. |
| <b>Toxicity of the Products of Biodegradation</b>        | The product itself and its products of degradation are not toxic.   |
| <b>Special Remarks on The Products of Biodegradation</b> | Not available.  |

### **Section 13. Disposal Considerations**

|  |                |
|--|----------------|
| <b>Waste Information</b>                           | Not available. |
| <b>Waste Stream</b>                                | Not available. |
| <b>Consult your local or regional authorities.</b> |                |

### **Section 14. Transport Information**

|   |   |
|---|---|
| <b>DOT Classification</b>                       | Not a DOT controlled material (United States) |
| <b>Marine Pollutant</b>                         | Not available.                                |
| <b>Hazardous Substances Reportable Quantity</b> | Not available.                                |
| <b>Special Provisions for Transport</b>         | Not applicable.                               |
| <b>TDG Classification</b>                       | Not controlled under TDG (Canada).            |
| <b>ADR/RID Classification</b>                   | Not controlled under ADR (Europe).            |
| <b>IMO/IMDG Classification</b>                  | Not controlled under IMDG.                    |

ICAO/IATA Classification Not controlled under IATA.

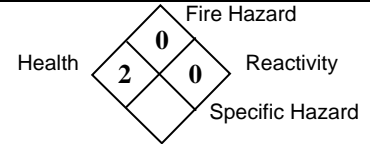
### Section 15. Other Information

**Label requirements** Irritation to mucus membranes, skin, eyes. Ingestion may cause stomach cramps and nausea. Eyes may sting, burning sensation.

**Hazardous Material Information System (U.S.A.)**

|                     |   |
|---------------------|---|
| Health              | 2 |
| Fire Hazard         | 0 |
| Reactivity          | 0 |
| Personal Protection | a |

**National Fire Protection Association (U.S.A.)**



**References** Not available.

**Other Special Considerations** Not available.

**Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*