### SECTION I - Material Identity

<table>
<thead>
<tr>
<th>Part Number/Trade Name</th>
<th>High Temperature Graphite Adhesive</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Stock Number</td>
<td>n/a</td>
</tr>
<tr>
<td>CAGE Code</td>
<td>n/a</td>
</tr>
<tr>
<td>Part Number Indicator</td>
<td>n/a</td>
</tr>
<tr>
<td>MSDS Number</td>
<td>2628</td>
</tr>
<tr>
<td>HAZ Code</td>
<td>B</td>
</tr>
</tbody>
</table>

### SECTION II - Manufacturer's Information

<table>
<thead>
<tr>
<th>Manufacturer Contact</th>
<th>Ceramaterials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Street</td>
<td>226 Route 209</td>
</tr>
<tr>
<td>City</td>
<td>Port Jervis</td>
</tr>
<tr>
<td>State</td>
<td>NY</td>
</tr>
<tr>
<td>Country</td>
<td>US</td>
</tr>
<tr>
<td>Zip Code</td>
<td>12771</td>
</tr>
<tr>
<td>Emergency Phone</td>
<td>(518) 701-6722</td>
</tr>
<tr>
<td>Information Phone</td>
<td>(989) 891-9155</td>
</tr>
</tbody>
</table>

### MSDS Preparer's Information

<table>
<thead>
<tr>
<th>Date MSDS Prepared/Revised</th>
<th>02/01/2007</th>
</tr>
</thead>
<tbody>
<tr>
<td>Active Indicator</td>
<td>n/a</td>
</tr>
</tbody>
</table>

### Alternate Vendors
MATERIAL SAFETY DATA SHEET
BC628 Graphite Adhesive

Hazard Storage Compatibility Code: NR
NRC License Number: NR
Net Propellant Weight (Ammo): NR
Appearance/Odor: Black Liquid
Boiling Point: 170 DEG C
Melting Point: NR
Vapor Pressure: NR
Vapor Density: NR
Specific Gravity: 1.1
Decomposition Temperature: NR
Evaporation Rate: NR
Solubility in Water: <2
Percent Volatiles by Volume: <16
Chemical pH: NR
Corrosion Rate: NR
Container Pressure Code: 4
Temperature Code: 8
Product State Code: U

SECTION IV - Fire and Explosion Hazard Data

Flash Point: 163
Flash Point Method: UNK
Lower Explosion Limit: NR
Upper Explosion Limit: NR
Extinguishing Media: USE WATER FOG, CARBON DIOXIDE, DRY CHEMICAL OR FOAM
Special Fire Fighting Procedures: WEAR FULL FIRE FIGHTING PROTECTIVE CLOTHING AND SELF CONTAINED BREATHING APPARATUS. MATERIAL NEAR FIRE SHOULD BE COOLED WITH WATER SPARY OR FOG. CAUTION WHEN US

Unusual Fire/Explosion Hazards: THERMAL DECOMPOSITION OR COMBUSTION MAY PRODUCE DENSE SMOKE, OXIDES OF CARBON, AS WELL AS LOW MOLECULAR WEITH ORGANIC COMPOUNDS WHOSE COMPOSITIONS HAVE NOT BEEN

SECTION V - Reactivity Data

Stability: YES
Stability Conditions to Avoid: HIGH TEMPERATURES
Materials to Avoid: AVOID CONTACT WITH STRONG OXIDIZING AND REDUCING AGENTS
Hazardous Decomposition Products
SMOKE, OXIDES OF CARBON, LOW MOLECULAR WEIGHT ORGANIC COMPOUNDS WHOSE COMPOSITIONS HAVE NOT BEEN CHARACTERIZED

Polymerization Conditions to Avoid
HEXAMETHYLENETETRAMINE REACTS VIOLENTLY WITH NA2O2

SECTION VI - Health Hazard Data

Route of Entry: Skin YES
Route of Entry: Ingestion YES
Route of Entry: Inhalation YES

Health Hazards - Acute and Chronic
LIQUID FURFURYL ALCOHOL AND HIGH CONCENTRATIONS OF VAPORS MAY BE HIGHLY IRRITATING TO THE EYES, SKIN, MUCOUS MEMBRANES AND RESPIRATORY TRACT.
INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, CRAMPING AND VOMITING.
EXPOSURE TO HIGH CONCENTRATIONS OF VAPORS MAY CAUSE HEADACHE, DIZZINESS, NAUSEA, DISORIENTATION, PA

Symptoms of Overexposure
IRRITATING TO THE EYES, SKIN, MUCOUS MEMBRANES, RESPIRATORY TRACT. DERMATITIS. COUGH, SHORTNESS OF BREATH AND DECREASE IN PULMONARY FUNCTION

Medical Cond. Aggravated by Exposure
PREEXISTING PULMONARY, DERMAL, KIDNEY, AND LIVER DISORDERS MAY POSSIBLY BE AGGRAVATED BY PROLONGED EXPOSURE TO HIGH CONCENTRATIONS OF THE MATERIALS

Emergency/First Aid Procedures
INHAL: REMOVE TO FRESH AIR, SEEK MED ATTEN. EYES: FLUSH WITH WATER FOR 15 MIN. SEEK MED ATTENTION IN IRRITATION DEVELOPS. SKIN: WASH THE MILD SOAP AND WATER. SEEK MED ATTENTION IF IRRITATION DEVELOPS OR PERSISTS. INGEST: GIVE TWO GLASSES OF WATER TO DILUTE AND INDUCE VOMITING

SECTION VII - Precautions for Safe Handling and Use

Steps if Material Released/Spilled
ELIMINATE ALL IGNITION SOURCES, ISOLATE SPILL, EVACUATE
MATERIAL SAFETY DATA SHEET  
BC628 Graphite Adhesive

PERSONNEL. PUMP INTO CONTAINERS. ABSORB RESIDUE WITH CLAY, SAND OR OTHER SUITABLE MATERIAL. DO NOT ALLOW MATERIAL OR RINSE WATER ENTER STORM OR SANITARY SEWERS

Waste Disposal Method
IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

Handling and Storage Precautions
STORE IN LABELED, CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION. DO NOT STORE WITH OR NEAR INCOMPATIBLE CHEMICALS

Other Precautions
CARBON AND GRAPHITE DUSTS ARE ELECTRICALLY CONDUCTIVE. ACCUMULATIONS OF DUSTS MAY CAUSE SHORTING OF ELECTRICAL CIRCUITS. CARE SHOULD BE TAKEN TO SEAL ELECTRICAL CIRCUITS AND SWITCHES THAT MAY BE AFFECTED. INCLUDES OUTSIDE ELECTRICAL EQUIPMENT

SECTION VIII - Control Measures

Respiratory Protection
1/2 FACE RESPIRATOR WITH ORGANIC VAPORS AND PARTICULATE CARTRIDGES

Ventilation
LOCAL EXHAUST

Protective Gloves
BURTYL RUBBER GLOVES

Eye Protection
CHEMICAL SPLASH GOGGLES

Other Protective Equipment
WHERE NORMAL WORK CLOTHES MAY BECOME CONTAMINATED BY PRODUCT, PROTECTIVE BUTYL RUBBER COATED COVERALLS ARE RECOMMENDED

Work Hygenic Practices
THOROUGHLY WASH ANY CONTAMINATED CLOTHING BEFORE REUSE

Disposal Code
O

SECTION IX - Label Data

Protect Eye
YES

Protect Skin
YES

Protect Respiratory
YES

Chronic Indicator
UNKNOWN

Contact Code
UNKNOWN

Fire Code
UNKNOWN
MATERIAL SAFETY DATA SHEET
BC628 Graphite Adhesive

Health Code: UNKNOWN
React Code: UNKNOWN

SECTION X - Transportation Data

Container Quantity: 15
Unit of Measure: LB

SECTION XI - Site Specific/Reporting Information

Volatile Organic Compounds (P/G): 0
Volatile Organic Compounds (G/L): 0

SECTION XII - Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Ingredient #</th>
<th>Ingredient Name</th>
<th>CAS Number</th>
<th>Proprietary</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>1,3,5,7-TETRAAZATRICYCL[3.3.1.13,7]DECANE</td>
<td>100970</td>
<td>NO</td>
<td>57</td>
</tr>
<tr>
<td>02</td>
<td>(POWDER) CARBON (16-24%)</td>
<td>7440440</td>
<td>NO</td>
<td>24</td>
</tr>
<tr>
<td>03</td>
<td>(POWDER) PHENOLIC RESIN (11-16%)</td>
<td>9403354</td>
<td>NO</td>
<td>16</td>
</tr>
<tr>
<td>04</td>
<td>(POWDER) TRANSIL OIL (2-3%)</td>
<td>64742456</td>
<td>NO</td>
<td>3</td>
</tr>
<tr>
<td>05</td>
<td>(POWDER) HEXAMETHYLENETETRAMINE</td>
<td>108970</td>
<td>NO</td>
<td>2</td>
</tr>
</tbody>
</table>