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SECTION I - Material Identity

Part Number/Trade Name	High Temperature Graphite Adhesive
National Stock Number	n/a
CAGE Code	n/a
Part Number Indicator	n/a
MSDS Number	2628
HAZ Code	В

SECTION II - Manufacturer's Information

Manufacturer Contact	Ceramaterials
Street	226 Route 209
City	Port Jervis
State	NY
Country	US
Zip Code	12771
Emergency Phone	(518)701-6722
Information Phone	(989)891-9155
MSDS Preparer's Information	

Date MSDS Prepared/Revised Active Indicator

02/01/2007

n/a

Alternate Vendors

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

AND STRONG ACIDS AND BASES Hazardous Decomposition Products MOLECULAR WEIGHT ORGANIC COMPOUNDS WHOSE COMPOSTIONS HAVE NOT BEN CHARACTERIZED Polymerization Conditions to Avoid HEXAMTHYLENETETRAMINE REACTS VIOLENTLY WITH NA202

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

ELIMINATE ALL IGNITION SOURCES, ISOLATE SPILL, EVACUATE

MSDS DATE: 02/01/2007

Handling and Storage Precautions

MSDS DATE: 02/01/2007

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

IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS

STORE IN LABELED, CLOSED CONTAINERS AWAY FROM HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION. DO NOT STORFE WITH OR NEAR INCOMPATIBLE CHEMICA

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 EQUIPMT

SECTION VIII - Control Measures

Waste Disposal Method

Other Precautions

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	0

SECTION IX - Label Data

Protect Eye	YES
Protect Skin	YES
Protect Respiratory	YES
Chronic Indicator	UNKNOWN
Contact Code	UNKNOWN
Fire Code	UNKNOWN

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

Ingredient #	01
Ingredient Name	1,3,5,7- TETRAAZATRICYCLO[3.3.1.13,7]DECAN
CAS Number	100970
Proprietary	NO
Percent	57
Ingredient #	02
Ingredient Name	(POWDER) CARBON (16-24%)
CAS Number	7440440
Proprietary	NO
Percent	24
Ingredient #	03
Ingredient Name	(POWDER) PHENOLIC RESIN (11-16%)
CAS Number	9403354
Proprietary	NO
Percent	16
Ingredient #	04
Ingredient Name	(POWDER) TRANSIL OIL (2-3%)
CAS Number	64742456
Proprietary	NO
Percent	3
Ingredient #	05
Ingredient Name	(POWDER) HEXAMETHYLENETETRAMINE
CAS Number	108970
Proprietary	NO
Percent	2