Sosmetal Part No. 811502

BULLARD ABRASIVES, INC.
6 Carol Drive
Lincoln, Rhode Island 02865
TELEPHONE (401) 333-3000 FAX (401) 333-3077

CATAGORY 7
MATERIAL SAFETY DATA SHEET
(Complies with OSHA 29 CFR 1910.1200)

Section 1.0 IDENTIFICATION

1.1 Products: Fiber backed specialty devices (Grinding discs and flap wheel) (See attached list of product numbers for category 7)

1.2 Manufacturer or distributor

Bullard Abrasives, Inc.
6 Carol Drive
Lincoln, Rhode Island 02865

1.3 Contact: Operations Manager

1.4 Phone No: (401) 333-3000
Fax No. (401) 333-3077

1.5 Date prepared: 01/05/08

Section 2.0 HAZARDOUS INGREDIENTS

2.1 Abrasive

Common name	Chemical name	CAS NO.	OSHA PEL mg/m3	ACGIH TLV mg/m3	CARCINOGEN Y/N	% By Wgt
Alpha alumina	Aluminum oxide	1344-28-1	15	10	N	5-50%
Zirconia	Zirconium dioxide	7440-67-7	5	5	N	0-30%
Cryolite	Sodium alum fluoride	15096-52-3	2.5	2.5	N	6-15%

2.2 Binder system

Common name	Chemical name	CAS NO.	OSHA PEL mg/m3	ACGIH TLV mg/m3	CARCINOGEN Y/N	% By Wgt
Resin	Phenol-formaldehyde (PNOR)	9003-35-4	15	10 (cured)	N	13-25%
-	Titanium dioxide	13463-67-7	15	10	N	0-10%
-	Calcium carbonate	1317-65-3	15	10	N	0-10%
-	Magnesium carbonate	546-93-0	15	10	N	0-10%

2.3 Reinforcing

-	cotton twill	NAIF	NAIF	NAIF	N	0-20%
Vulcanized fiber paper		NAIF	NAIF	NAIF	N	0-50%
Fiberglass Fabric mesh	Amorphous	655997-17-3	15	10	N	0-25%

Section 3.0 PHYSICAL CHARACTERISTICS

3.1	Boiling point	N/A
3.2	Vapor Pressure	N/A
3.3	Vapor density	N/A
3.4	Specific gravity	Greater than 1
3.5	Solubility in water	Insoluble
3.6	Melting point	N/A
3.7	Evaporation rate	N/A
3.8	Appearance & odor	Formed solid with little or no odor. Some odor may be produced in use.

Section 4.0 FIRE AND EXPLOSION HAZARD

4.1	Flash point	N/A
4.2	Flammable limits	N/A
4.3	Extinguishing media	N/A
4.4	Fire fighting procedures	N/A
4.5	Unusual fire & explosion hazards	None

Category 7

Section 5.0 REACTIVITY DATE

5.1 Stability	Fully stable
5.2 Condition to avoid	None
5.3 Materials to avoid	Strong acids

5.4 Hazardous decomposition or by-products

This product will not decompose. Dusts are generated while in use, which will consist of degradation products from the wheel and from the work piece.

Section 6.0 HEALTH HAZARD DATE

6.1 Routes of entry:

The principal routes of entry are inhalation, ingestion, eyes, and skin.

6.2 Inhalation:

Regular exposure to grinding dusts may cause respiratory problems, mucous membrane irritation, or aggravate pre-existing conditions. Prolonged exposure to fluorides may cause skeletal or dental flurosis. Prolonged exposure to silica may cause silicosis or cancer but no reports of definitive test results showing that these health problems have been caused by grinding wheel dusts have been found.

6.3 Ingestion

Ingestion is unlikely and is not recommended, but no adverse affects are known.

6.4 Eye contact

Dusts may irritate the eyes. If irritation occurs, flush the eyes with water and obtain medical attention.

6.5 Skin contact

Prolonged dust exposure may cause skin irritation. If this occurs, wash with soap and water and obtain medical attention.

Section 7.0 FIRST AID MEASURES

7.1 **Inhalation:** Remove to fresh air. If breathing has stopped, give artificial respiration. Get medical attention immediately.
7.2 **Eye Contact:** Wash with large amounts of water. Obtain first aid and medical assistance, if needed.
7.3 **Skin contact:** Wash affected areas with soap and water. If irritation persists, obtain medical assistance.
7.4 **Ingestion:** Obtain medical assistance and call poison center.

Section 8.0 HANDLING PROCEDURES

8.1 Handle and store with care to prevent breakage or crushing
8.2 If dropped or spilled, inspect carefully to detect and remove cracked or broken pieces.
8.3 Clean up using normal housekeeping methods
8.4 Dispose of broken items and pieces to the applicable landfill in conformance with state or local regulations.

Section 9.0 CONTROL MEASURES

9.1 Ventilation

Use in a well ventilated area. Additional local exhausts are recommended to keep dust concentrations below the permissible levels.

9.2 Respiratory

NIOSH approved respirators may be required if exposure exceeds Recommended Exposure Limits (REL).

9.3 Protective clothing and equipment

Goggles or safety glasses with side shields are recommended. Long sleeved shirts should be worn during grinding. Aprons, face shields and gloves may be worn as desired.

Section 10.0 SPECIAL PRECAUTIONS

10.1 Avoid breathing grinding dust.
10.2 Avoid skin and eye contact with grinding dust.
10.3 Wear ear plugs or muffs while grinding.
10.4 Refer to ANSI B7.1 for additional precautions relative to handling, storage, and safe use of abrasive wheels.

Section 11.0 (See attached product listing)