

2 in. Depressed Center Wheel (90999)

Date of Preparation: 04/02

**FULL DISCLOSURE**



MSDS No. MS02.01

Revision: 01

# MATERIAL SAFETY DATA SHEET

## Section 1 — Product and Company Identification

**Product Name:** 2 in. Depressed Center Wheel (90999)

**Manufacturer:** Dynabrade Inc., 8989 Sheridan Drive, Clarence, NY 14031-1490, Phone°(716) 631-0100, FAX°(716) 631-2073, U.S. Consumers Call Toll Free 1-888-396-2272

**HMIS**

**H** 1

**F** 0

**R** 0

**PPE**

Sec. 8

## Section 2 - Composition / Information on Ingredients

Product may contain some of the following ingredients

**Ingredient Name**

**CAS Number**

**% wt or  
% vol**

Aluminum Oxide

1344-28-1

0-95

Titanium Dioxide

13463-67-7

0-4

Silicon Carbide

409-21-2

0-95

Zirconium Dioxide

7440-67-2

0-25

Phenol Formaldehyde

9003-35-4

0-18

Furfural

98-01-1

0-5

Potassium Fluoborate

14075-53-7

0-5

Calcium Fluoride

7789-75-5

0-20

Iron Oxide

1309-37-1

0-8

Calcium Oxide

1305-78-8

0-4

DPR Rubber

78-79-5

0-5

Iron Disulphide

12068-85-8

0-20

Zinc Sulfide

1314-98-3

0-15

Paraffin

NONE

0-10

Fibrous Glass

NONE

**Ingredient**

**OSHA  
PEL**

**ACGIH  
TLV**

**CARC  
(Y/N)**

Aluminum Oxide

none estab.

10 mg/m<sup>3</sup>

NO

Titanium Dioxide

5 mg/m<sup>3</sup>

5 mg/m<sup>3</sup>

NO

Silicon Carbide

15 mg/m<sup>3</sup>

10 mg/m<sup>3</sup>

NO

Zirconium Dioxide

5 mg/m<sup>3</sup>

5 mg/m<sup>3</sup>

NO

Phenol  
Formaldehyde

None estab.

10 mg/m<sup>3</sup>

NO

Furfural

2 mg/m<sup>3</sup>

2 mg/m<sup>3</sup>

NO

Potassium  
Fluoborate

2.5 mg/m<sup>3</sup>

2.5 mg/m<sup>3</sup>

NO

Ingredient	OSHA PEL	ACGIH TLV	CARC (Y/N)
Calcium Fluoride	none estab.	2.5 mg/m <sup>3</sup>	NO
Iron Oxide	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	NO
Calcium Oxide	5 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	NO
DPR Rubber	none estab.	none estab.	NO
Iron Disulphide	none estab.	none estab.	NO
Zinc Sulfide	15 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	NO
Paraffin	none estab.	2 mg/m <sup>3</sup>	NO
Fibrous Glass	none estab.	10 mg/m <sup>3</sup>	NO

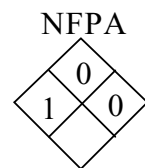
### Section 3 - Physical and Chemical Properties

**Specific Gravity:** >1  
**Vapor Pressure:** NA  
**Appearance and Color:** Product is solid, may produce odor in use.  
**Vapor Density (Air=1):** NA

**Water Solubility:** NA  
**Boiling Point:** NA  
**% Volatile:** NA  
**Evaporation Rate:** NA

### Section 4 - Fire-Fighting Measures

**Flash Point:** NA  
**Flammable Limits:** NA  
**Extinguishing Media:** NA  
**Unusual Fire or Explosion Hazards:** None  
**Special Fire Fighting Procedures:** No special procedures required.



### Section 5 - Stability and Reactivity

**Stability:** Stable  
**Hazardous Polymerization:** Will not occur.  
**Chemical Incompatibilities:** NA (Avoid strong acids or bases.)  
**Hazardous Decomposition Products:** Dusts are generated in use. In most cases, dust from workpiece will be significantly greater than from grinding wheel. Coolants may produce other decomposition products.

### Section 6 - Health Hazard Information

#### Potential Health Effects

**Inhalation:** Prolonged exposure to grinding dust may cause respiratory problems or aggravate existing problems. Prolonged or chronic inhalation of potassium fluoborate, fluorspar, or cryolite may cause skeletal or dental fluorosis.

**Eye:** Dust may irritate eyes. First Aid: Flush with large amounts of water. Obtain medical assistance.

**Skin:** Excessive contact with dust may cause skin irritation. First Aid: Wash affected areas with soap and water. Obtain medical assistance.

**Ingestion:** No known adverse effects, but ingestion not recommended.

**Section 7 - Spill, Leak, and Disposal Procedures**

**Steps to be taken in case of spills:** Normal clean-up.

**Waste Disposal Method:** Standard landfill methods consistent with applicable Federal, State and Local Laws.

**Section 8 - Exposure Controls / Personal Protection**

**Ventilation:** Local exhaust ventilation as necessary to keep dust levels below Threshold Limit Values.

**Respiratory Protection:** Use NIOSH-approved dust respirators are required to maintain exposure below Threshold Limit Values (TLVs).

**Protective Gloves:** Leather, cloth, or rubber/vinyl gloves as desired by operator.

**Eye Protection:** Goggles or safety glasses with side shields as required.

**Other Protective Equipment:** Apron and/or face shield as required.

**Section 9 - Special Precautions and Comments**

**AVOID BREATHING GRINDING DUST! AVOID SKIN AND EYE CONTACT WITH GRINDING DUST!**

**Handling and Storage Precautions:** Refer to ANSI B7.1

**Other Precautions:** Refer to ANSI B7.1 regarding:

SAFETY REQUIREMENTS FOR THE USE , CARE, AND PROTECTION OF ABRASIVE WHEELS .