

**Section 1 - Chemical Product and Company Identification**

**Product/Chemical Name:** Diamond / CBN Grinding Wheels, Vitrified Wheels, Polyimide Wheels

**Manufacturer:** Action Super Abrasive Products, 945 Greenbriar Parkway, Brimfield, Ohio, 44240  
 Phone (330) 673-7333 FAX (330) 673-9414 (Hours of Operation 7:00am –5:00pm)

**Section 2 - Composition / Information on Ingredients**

| Chemical Name      | Cass #     | OSHA Permissible Exposure Limit | ACGIH TLV           | Carcinogen |
|--------------------|------------|---------------------------------|---------------------|------------|
| Nickel             | 7440-02-0  | 1mg/m <sup>3</sup>              | 1mg/m <sup>3</sup>  | Yes        |
| Copper             | 7723-14-0  | 1mg/m <sup>3</sup>              | 1mg/m <sup>3</sup>  | No         |
| Tin                | 7440-31-5  | NAIF                            | NAIF                | No         |
| Graphite           | 7782-42-5  | 15MPPCF*                        | 5MG/M3              | No         |
| Silver             | 7440-22-4  | .01mg/m <sup>3</sup>            | .1mg/m <sup>3</sup> | No         |
| Silicon Carbide    | 409-21-2   | 15mg/m <sup>3</sup>             | 10mg/m <sup>3</sup> | No         |
| Aluminum           | 7429-20-5  | N/A                             | 5mg/m <sup>3</sup>  | No         |
| Graphite           | 7782-42-5  | 15 MPPCF                        | 2.5MG/M3            | No         |
| Cured Phenol Resin | 9003-35-4  | N/A                             | N/A                 | No         |
| Fibrous Glass Dust | 65997-17-3 | 15mg/m <sup>3</sup>             | 10mg/m <sup>3</sup> | No         |

**Toxicity Data:** N/A

**Section 3 - Physical and Chemical Properties**

|  |                                    |
|--|------------------------------------|
| <b>Appearance:</b> Green to a yellowish brown                | <b>Water Solubility:</b> None      |
| <b>Odor:</b> May give off Ammonia odor while grinding        | <b>Other Solubilities:</b> N/A     |
| <b>Vapor Pressure:</b> N/A                                   | <b>Boiling Point:</b> N/A          |
| <b>Vapor Density (Air=1):</b> N/A                            | <b>Freezing/Melting Point:</b> N/A |
| <b>Formula Weight:</b> N/A                                   | <b>Viscosity:</b> N/A              |
| <b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> Above 1 | <b>Refractive Index:</b> N/A       |
| <b>pH:</b> N/A   | <b>Surface Tension:</b> N/A        |
|  | <b>% Volatile:</b> N/A             |
|  | <b>Evaporation Rate:</b> N/A       |

**Section 4 - Fire-Fighting Measures**

**Flash Point:** N/A  
**Flash Point Method:** N/A  
**Burning Rate:** N/A  
**Auto-ignition Temperature:** N/A  
**LEL:** N/A  
**UEL:** N/A  
**Flammability Classification:** N/A  
**Extinguishing Media:** N/A  
**Unusual Fire or Explosion Hazards:** N/A  
**Hazardous Combustion Products:** N/A

**Fire-Fighting Instructions:** This product is not a fire hazard. Accumulation of dust while grinding may ignite. If powder fire should occur, use a NIOSH approved respirator or self-contained breathing apparatus and use ABC fire extinguishers control methods to sewers or waterways.

### Section 5 - Stability and Reactivity

**Stability:** Diamond or CBN Grinding Wheels, Vitrified Wheels and Polyimide Wheels are stable.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Avoid acids of all types with a pH <4.0

**Conditions to Avoid:** N/A

**Hazardous Decomposition Products:** No hazardous decomposition products should occur.

### Section 6 - Health Hazard Information

#### Potential Health Effects

**Primary Entry Routes:** Inhalation, Ingestion, Eyes, Skin

#### Acute and Chronic Effects

**Inhalation: Acute:** Coughing and shortness of breath. May cause irritation of the throat and nose, which is associated with the coughing. **Chronic:** May affect breathing capacity and respiratory disease.

Symptoms of chronic affects are as follows

but are not limited to: Wheezing. Chronic coughing and chest tightness

**Eye:** Dust may irritate eyes

**Skin:** Irritation of skin especially to individuals with sensitive skin

**Ingestion:** Not enough information but ingestion is not suggested

**Carcinogen:** All airborne nickel is consider a carcinogenic

#### Emergency and First Aid Procedures

**Inhalation:** Remove to fresh air. Obtain medical assistance if needed

**Eye Contact:** Flush with plenty of water and obtain medical assistance if needed.

**Skin Contact:** Wash skin thoroughly with soap and water. May cause some irritation. If irritation persists seek medical attention.

**Ingestion:** Drink plenty of water and try to induce vomiting. Seek medical attention

*After first aid, get appropriate medical support.*

**Special Precautions/Procedures:** Wear NIOSH approved respirators when cleaning. Wash hands and exposed areas thoroughly after each shift. If clothing is exposed to dust or mist wash or vacuum to remove contamination. Periodical medical examinations are recommended for individuals exposed to dust or mist

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

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

### Section 8 - Exposure Controls / Personal Protection

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Respiratory Protection:** Used an approved NIOSH approved respirator. Select a respirator base on employees working environment. If levels exceed OSHA requirements then refer to 29 CFR 1910.134

**Protective Clothing/Equipment:** Wear gloves and protective eyeglasses or safety goggles. Wear protective eyeglasses or chemical safety goggles and face protection. Refer to OSHA Regulation (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### **Section 9 - Special Precautions and Comments**

**Handling Precautions:** Maintain good housekeeping procedures. Wash hands and any contaminated part of body after each shift, Wash hands thoroughly before eating. Always wear Mask and safety glasses. Periodical medical examination to see if you are being exposed to any airborne carcinogens.

**Storage Requirements:** See ANSI Standard B7.1

**Prepared By:** Monica Jones

**Revision Notes:** The entire MSDS has been revised into this new format.

**Disclaimer:** Action Super Abrasive Products have prepared this MSDS base on the knowledge of information from component suppliers. Action Super Abrasive Products does not warranty product or in any way liable for injuries which may result. The purpose of this MSDS is for he/she to determine the use of this product.