



# Material Safety Data Sheet

for  
*Nickel Coated Resin Bond*

## Section I – General Data

**Supplier -** Worldwide Superabrasives  
**Address -** 2921 NW Commerce Park Dr.  
Boynton Beach, Florida 33426  
**Telephone -** 954-828-9650  
**Transportation Emergencies -** CHEMTREC (800) 424-9300  
**Medical Emergencies -** Florida Poison Control Center (800) 222-1222

## Section II – Ingredients

**Product -** Resin Bond Synthetic Diamond, Nickel Coated (30%, 56%)  
Nickel-phosphorous coating (NiP)  
Nickel / Cobalt Substrate  
**Proprietary -** No  
**CAS Numbers -** 7782-40-3 / 7440-02-0  
**OSHA PEL -** 1.0 mg/m<sup>3</sup>  
**ACGIH TLV -** 1.0 mg/m<sup>3</sup>

## Section III – Physical Data

**Appearance -** Metallic Silver-gray particles  
**Specific Gravity -** 4.2-5.1  
**Vapor Density -** N/A  
**Boiling Point -** N/A  
**Vapor Pressure -** N/A  
**Solubility in Water -** No  
**Percent Volatiles -** N/A

## Section IV – Fire & Explosion Data

**Flash Point -** N/A  
**Lower Explosive Limit -** N/A  
**Upper Explosive Limit -** N/A  
**Extinguishing Media** Chemical Powder  
**Unusual F&E Hazards -** Above 880 C nickel and cobalt oxides may be generated

## Section V – Health Hazard Data

### **Primary Routes of**

**Entry -** Inhalation, Eye contact, Ingestion

### **Effect of over**

**Exposure -** Inhalation – Tissue irritation  
Skin contact – Tissue irritation  
Eye contact – Tissue irritation  
Ingestion - Tissue irritation

## Section VI – Reactivity

**Stability -** Stable

### **Conditions to**

**Avoid -** Exposure to strong acids

**Incompatibility -** Oxidizers and open flame

**Hazardous Decomp**

**Products -** Nickel and Cobalt Oxides

**Hazardous Polymer-  
zation -** Will not occur

## Section VII – Spill or Leak Procedures

**Action to be taken -** Minimize airborne dust generation  
Provide adequate ventilation  
Sweep up material and place in proper container

**Disposal -** In accordance with Local, State, and Federal Regs  
May be land filled

## Section VIII – Special Protection Information

**Respiratory -** NIOSH/MSHA approved dust mask

**Ventilation -** Adequate ventilation / local exhaust

**Gloves -** Impervious

**Eye -** Chemical goggles

## Section IX – Special Precautions

### **Handling &**

**Storage -** Prevent dust from becoming airborne  
Avoid contact with eyes; flush with water  
Contact with skin may cause irritation