

## **SECTION 1. IDENTIFICATION**

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### **1-1 Product identification**

Diamond blades (metal bonded and electroplated), diamond core bits, diamond cup wheels and diamond grinding disks)

### **1-2 Recommended use**

Grinding, sawing, sanding, machining and drilling of masonry and concrete products

### **1-3 Company/undertaking identification**

**Manufacturer** : CGW/PASCO  
**E-Mail** : sales@cgwcamel.com  
**Information contact** : 800-447-4248  
**National contact** : 7525 N. Oak Park Ave, Niles, IL 60714

### **1.4 EMERGENCY TELEPHONE**

800-447-4248

## **SECTION 2. HAZARDS IDENTIFICATION**

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**This section is made on base of raw-materials.**

Note) This product is an article as defined by EU(Regulation(EC)No1272/2008) regulations.

### **2-1. Hazard classification**

Acute toxicity(oral) : Category 4  
Skin corrosion/Skin irritation : Category 2  
Respiratory sensitisation : Category 1  
Skin sensitisation : Category 1  
Carcinogenicity : Category 2  
Reproductive toxicity : Category 2  
Specific target organ toxicity(single exposure) : Category 3(respiratory tract irritation)  
Specific target organ toxicity(repeated exposure) : Category 1  
Hazardous to the aquatic environment(acute aquatic hazard) : Category 1  
Hazardous to the aquatic environment(chronic aquatic hazard) : Category 1

### **2-2 GHS label elements, including precautionary statements**

**Symbol**



**Signal word** : Danger

**Hazard statements**

H317: May cause an allergic skin reaction  
H335: May cause respiratory irritation  
H351: Suspected of causing cancer  
H361: Suspected of damaging fertility or the unborn child

H370: Causes damage to organs

H372: Causes damage to organs through prolonged or repeated exposure

H410: Very toxic to aquatic life with long lasting effects

#### Precautionary statements

##### Prevention

P201: Obtain special instructions before use.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P270: Do not eat, drink or smoke when using this product.

P217: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P285: In case of inadequate ventilation wear respiratory protection.

##### Response

P332+P313 If skin irritation occurs: Get medical advice/attention.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

##### Storage

Not applicable.

##### Disposal

P501: Dispose of contents and container in accordance with all local, regional, national and international regulations.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	CAS number	% by Wt
BODY MATERIAL (STEEL)	-	
DIAMOND	7782-40-3	It is composed depend on product groups.
NICKEL	7440-02-0	
COBALT	7440-48-4	
IRON	7439-89-6	
COPPER	7440-50-8	
TIN	7440-31-5	
TUNGSTEN CARBIDE	12070-12-1	
MANGANESE	7439-96-5	

### SECTION 4. FIRST AID MEASURES

#### 4-1 Description of first aid measures

##### Inhalation

If symptoms develop (coughing, wheezing, shortness of breath, etc), remove from exposure and obtain medical assistance, as needed.

##### Skin contact

If irritation occurs, wash affected areas with soap and water. Obtain medical assistance, as needed.

##### Eye contact

If irritation occurs, flush with large amounts of water. Obtain first aid and medical assistance, as needed.

##### Ingestion

Obtain medical assistance.

#### **4-2 Most important symptoms and effects, both acute and delayed**

Refer to Section 11.1. Information on toxicological effects.

#### **4-3 Indication of any immediate medical attention and special treatment required**

Not applicable

### **SECTION 5. FIRE FIGHTING MEASURES**

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#### **5-1 Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

#### **5-2 Special hazards arising from the substance or mixture**

No inherent in this product.

#### **5-3 Special protective actions for fire-fighters**

No special protective actions for fire-fighters are anticipated.

### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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#### **6-1 Personal precautions**

Not applicable

#### **6-2 Environmental precautions**

Not applicable

#### **6-3 Methods for cleaning up**

Not applicable

### **SECTION 7. HANDLING AND STORAGE**

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#### **7-1 handling**

##### **Advices on safe handling:**

For industrial or professional use only.

Do not handle until all safety precautions have been read and understood.

Avoid breathing of dust created by sanding, cutting, grinding or machining.

Check product for damage such as cracks or nicks prior to use. Replace if damaged.

(Damaged product can break apart during use and cause serious injury to face or eyes.)

Always wear eye and face protection when working at sanding/cutting/grinding operations.

Keep a safe distance when working at sanding/cutting/grinding operations.

Use personal protective equipment (gloves, respirators, etc.) as required.

Do not eat, drink or smoke when using this product.

Contaminated work clothing should not be allowed out of the workplace.

#### **7-2 Storage**

No special storage requirements

## **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8-1 Exposure limits**

<b>Ingredient</b>	<b>CAS number</b>	<b>TWA (ACGIH)</b>	<b>Additional Comments</b>
BODY MATERIAL(STEEL)	-	-	
DIAMOND	7782-40-3	-	
NICKEL	7440-02-0	1.5mg/m3	
COBALT	7440-48-4	0.02mg/m3	
IRON	7439-89-6	-	
COPPER	7440-50-8	0.2mg/m3	
TIN	7440-31-5	2.0mg/m3	
TUNGSTEN CARBIDE	12070-12-1	-	
MANGANESE	7439-96-5	0.2mg/m3	

ACGIH : American Conference of Governmental Industrial Hygienists

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

### **8-2 Exposure controls**

#### **Engineering controls**

Provide appropriate local exhaust ventilation for grinding, sawing, sanding, machining and drilling.

Use local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapors/spray.

Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment).

If ventilation is not adequate, use respiratory protection equipment.

#### **Personal protective equipment (PPE)**

##### **Respiratory protection**

Assess exposure concentrations of all materials involved in the work process.

Select and use appropriate respirators to prevent inhalation overexposure.

##### **Hand protection**

Select and use gloves approved to relevant local standards to prevent skin contact based on the results of an exposure assessment.

##### **Eye/face protection**

To minimize the risk of injury to face and eyes, always wear eye and face protection when working at grinding, sawing, sanding, machining and drilling operations or when near such operations.

Select and use eye/face protection to prevent contact based on the results of an exposure assessment.

The following eye/face protection(s) are recommended: Safety Glasses with side shields

##### **Body protection**

Select and use protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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### **9-1 Appearance**

<b>Physical state</b>	: Soild
<b>Colour</b>	: Soild abrasive product
<b>Odour</b>	: Odorless

### **9-2 Important health, safety and environmental information**

<b>pH (20 °C)</b>	: Not applicable
<b>Melting point/range (°C)</b>	: Not applicable
<b>Boiling point/range (°C)</b>	: Not applicable
<b>Flash point (°C)</b>	: Not applicable
<b>Ignition temperature (°C)</b>	: Not applicable
<b>Vapour pressure (°C)</b>	: Not applicable
<b>Density (g/cm<sup>3</sup>)</b>	: Not applicable
<b>Bulk density (kg/m<sup>3</sup>)</b>	: Not applicable
<b>Water solubility (20°C in g/l)</b>	: Not applicable
<b>Partition coefficient</b>	: Not applicable
<b>n-Octanol/Water (log Po/w)</b>	: Not applicable
<b>Viscosity, dynamic (mPa s)</b>	: Not applicable
<b>Dust explosion hazard</b>	: Not applicable
<b>Explosion limits</b>	: Not applicable

## **SECTION 10. STABILITY AND REACTIVITY**

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### **10-1 Conditions to avoid**

None known

### **10-2 Materials to avoid**

None known

### **10-3 Hazardous decomposition products**

None known

## **SECTION 11. TOXICOLOGICAL INFORMATION**

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The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

### 11-1 Signs and Symptoms of Exposure

#### Inhalation

Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain. May cause additional health effects(see below). Dust from grinding, sawing, sanding, machining and drilling may cause target organ effects.

#### Skin Contact

Not applicable

#### Eye Contact

Not applicable

#### Ingestion

Not applicable.

### 11-2 Acute effects (toxicity tests)

Route	Ingredient	Effect dose	Species	Additional Comments
Acute oral toxicity	Cobalt	LD50:6171 mg/kg	Rat	
	Iron	LD50: 984 mg/kg	Rat	
Acute dermal toxicity	Iron	LD50 20000 mg/kg	Guinea pig	
Acute inhalative toxicity	N/D	N/D	N/D	

### 11-3 CMR effects

**Carcinogenicity** : Contains a chemical or chemicals which can cause cancer.

**IARC** : Cobalt(Group 2B), Nickel-metal(Group 2B)

**OSHA** : No data available

**ACGIH** : Cobalt(A3), Nickel-metal(A5)

**NTP** : Nickel-metal(R)

**EU CLP** : Nickel-metal(Carc. 2)

#### Germ cell Mutagenicity

No data available

#### Toxicity for Reproduction

Cobalt : Some positive data exist at Multiple animal species, but the data are not sufficient for classification.

### 11-4 Target Organ(s)

#### Specific Target Organ Toxicity - single exposure

Ingredient	Route	Target Organ(s)	Species	Additional Comments
Copper	Inhalation	Respiratory system	Human	
Cobalt	Inhalation	Respiratory system	Human	
Nickel	Inhalation	Respiratory system, nephro	Human	

#### Specific Target Organ Toxicity - repeated exposure

Ingredient	Route	Target Organ(s)	Species	Additional Comments
Copper	Inhalation	liver	Human	
Cobalt	Inhalation	Respiratory system	Human	
Nickel	Inhalation	Respiratory system	Human	



## **SECTION 12. ECOLOGICAL INFORMATION**

Products have no ecological effects when properly used and stored.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. No data available.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

The substrate that was abraded must be considered as a factor in the disposal method for this product.

Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility.

## **SECTION 14. TRANSPORT INFORMATION**

No specific regulations for transportation are required.

## **SECTION 15. REGULATORY INFORMATION**

### **15-1 EU regulations**

Refer to SECTION 2 of this SDS

Contact CGW/PASCO for more information.

### **15-2 National regulations**

Contact CGW/PASCO for more information.

This SDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

## **SECTION 16. OTHER INFORMATION**

**SDS revision date:** 03.06, 2015

**Reason for update:** Mandated update

### **Disclaimer**

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Company makes no warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose or course of performance or usage of trade. User is responsible for determining whether the product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.