

FLEXOVIT USA INC.

SAFETY DATA SHEET

SECTION 1 - Identification of the Product and Company

- 1.1 Product Name Diamond Cup Wheels, Diamond Blades, and Diamond Core Bits
- 1.2 Product Use Grinding, Blending, Cutting, and Drilling
- 1.3 Company Details: **Flexovit Abrasives Inc.**
- Address: 1305 Eden-Evans Center Rd.
 Angola, NY 14006
- Phone: 1-716-549-5100
- Fax: 1-716-549-4078

SECTION 2 - Hazard Information

2.1 Precautionary statements

Avoid inhalation of dusts as well as prolonged and repeated contact with skin. Most diamond tools are used along with water to keep blades cool and to decrease airborne contaminants. For dry sawing, maintain adequate ventilation or use local exhaust.

2.2 Description of Hazards

Route of Entry: Inhalation: Yes

Route of Entry: Skin: No

Route of Entry: Ingestion: No

Long-term overexposure to dusts can lead to respiratory impairment. Dusts from materials being sawed/ground can cause irritation to eyes, nose, throat, and skin.

SECTION 3 - Composition

<u>Ingredient</u>	<u>Formula</u>	<u>% Weight</u>	<u>OSHA Regulated</u>	<u>Cas #</u>
Cobalt		0-99	N/A	7440-48-4
Copper		0-80	N/A	7440-50-8
Tin		0-20	N/A	7440-31-5
Nickel		0-60	N/A	7440-02-0
Manganese		0-5	N/A	7439-96-5
Tungsten		0-30	N/A	7440-33-7

SECTION 4-First Aid

4.1 First Aid for exposure

- Eyes: Flush with plenty of water. Do not rub eyes. If particles penetrate or become lodged in eye, do not attempt to remove. Cover both eyes to prevent natural movement. Obtain medical attention.
- Skin: If irritation or rash occurs, remove contaminated clothing and shoes immediately. Wash with soap and water. Seek medical attention.
- Inhalation: Remove from exposure area to fresh air. If breathing has stopped, perform emergency respiratory resuscitation. Get medical attention.

4.2 Signs and Symptoms of Exposure

- Acute: Irritation, coughing, wheezing, shortness of breath
- Chronic: Respiratory conditions

SECTION 5 - Fire Fighting Measures

- 5.1 Means Of Extinction: N/A
- 5.2 Unusual Fire or Explosion Hazards: N/A
- Flammable Properties: N/A
- 5.3 Special Fire Fighting Procedures: N/A

SECTION 6 - Accidental Release Measures

N/A

SECTION 7- Storage, Handling and Use Procedures

- 7.1 Handling: Maintain good housekeeping practices to prevent accumulation of dust.
- 7.2 Storage: Store blades and wheels in a dry location.

SECTION 8- Personal Protective Control Measures

8.1 Exposure limits

<u>Chemical</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Cobalt	0.05mg/CUM	0.05mg/CUM
Copper	0.1mg(cu)/m ³ (FUME)	0.2mg/m ³ (FUME)
Tin	2mg/CUM	2mg/CUM
Nickel	1mg/CUM	0.05mg/CUM IC
Manganese	5mg/CUM	5mg/CUM (DUST)
Tungsten	5mg/CUM	5mg/CUM

8.2 Personal protection requirements and referrals

- Respiratory: Wear NIOSH approved respirator to maintain exposure below recommended limits and when dust and fumes cannot be controlled.
- Ventilation: Natural/mechanically induced fresh air movements that maintain vapor levels below recommended exposure limits.
- Protective Gloves: None normally required.
- Eye Protection: Goggles, safety glasses with side shields.
- Hearing Protection: No applicable information found.
- Body Protection: No applicable information found.
- Hygienic Practices: Practice good hygiene.

SECTION 9- Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity	7.8-12.4
Vapor Pressure (mm Hg.)	N/A	Melting Point	1166-2192F
Vapor Density (AIR=1)	N/A	Evaporation Rate (Butyl Acetate=1)	N/A
Solubility in Water	Insoluble	Appearance	Solid
Lower And Upper Explosion Limits	N/A	Odor	No odor
Flammable Limits	N/A	Degradation Temperature	N/A
Flash Point	N/A		

SECTION 10 - Stability and Reactivity Data

Stability: Yes

Conditions to Avoid: No applicable information found

Material to Avoid: No applicable information found

Hazardous Decomposition or Byproducts: None expected

Hazardous Polymerization: Will not occur

SECTION 11 - Toxicological Data

11.1 Component information

<u>Chemical</u>	<u>Short term effects</u>	<u>Long term effects</u>	<u>Carcinogen</u>
Cobalt	Respiratory irritation		N
Copper	Nose, throat and skin irritation		N
Tin	Eye, skin, and respiratory irritation		N
Nickel	Respiratory irritation		Y
Manganese	Headache		N
Tungsten	Respiratory irritation		N

11.2 Route(s) of Entry and symptoms of exposure

See section 4.2

Section 12-Ecological Information

No applicable information found.

Section 13-Disposal Considerations

May generally be disposed of in a landfill. Follow federal, state, and local environmental regulations.

Section 14-Transport Information

No applicable information found.

Section 15-Regulatory Information

No applicable information found.

Section 16-Other Information

SDS Revision Date: November 1, 2014

Reason for Update: Mandated Update

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COMPANY USE

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