

FLEXOVIT USA INC.

SAFETY DATA SHEET

SECTION 1 - Identification of the Product and Company

1.1 Product Name	Power brushes with Stainless Steel Wire
1.2 Product Use	For material removal, Surface conditioning see ANSI B7.1-2010
1.3 Company Details:	Flexovit USA 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

Use appropriate protective equipment to avoid inhalation & eye contact

2.2 Description of Hazards

Dust generated may cause eye & respiratory irritation

SECTION 3 - Composition

<u>Ingredient</u>	<u>Cas #</u>	<u>% Weight</u>	<u>EC #</u>
Iron	7439-89-6	< 90	231-096-4
Chromium	7440-47-3	10 - 30	231-157-5
Nickel	7440-02-0	< 38	231-111-4
Manganese	7439-96-5	<15	231-105-1
Silicon	7440-21-3	<5	231-130-8
Molybdenum	7439-98-7	<8	231-107-2

Other element may be present such as Cu,Ti. These are not classified as hazardous, or are below the concentration levels for classification of these alloys as hazardous.

SECTION 4-First Aid

4.1 First Aid for exposure

- Route of Entry :** Inhalation: Inhalation of excessive fume or dust concentrations may result in respiratory tract irritation. Move person to fresh air until recovered.
- Route of Entry :** Skin: Wash dust from skin with soap and water. Launder contaminated clothing before reuse.
- Route of Entry :** Ingestion: Obtain medical assistance.
- Route of Entry :** Eye contact: Flush eye thoroughly with water, holding eyelids open. Get medical attention if irritation occurs and persists.

4.2 Signs and Symptoms of Exposure

Use may generate dust that may cause eye & respiratory tract irritation. Dust may be harmful by inhalation & ingestion.

SECTION 5 - Fire Fighting Measures

- 5.1** Means Of Extinction: Use any media appropriate for the surrounding fire.
- 5.2** Unusual Fire or Explosion Hazards: This product is not combustible, however, consideration must be given to the potential fire/explosion hazards from the base material being processed. Many materials create flammable/explosive dusts or turnings when brushed, machined or ground.
- 5.3** Special Fire Fighting Procedures: Toxic fumes may occur. Use respiratory protective equipment.

SECTION 6 - Accidental Release Measures

Pick up, sweep up or vacuum any dust, place in a container for disposal. Use of gloves to clean up is recommended. Minimize generation of dust. Use appropriate protective equipment to avoid inhalation and eye contact if dust is generated.

SECTION 7- Storage, Handling and Use Procedures

Use only with adequate ventilation. Store in a dry location.

SECTION 8- Personal Protective Control Measures

- 8.1 Exposure Limits** Keep limits of the following components under surveillance. (observe the regional official regulations for dust).

<u>Ingredients</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLV</u>
Iron	No exposure Limit established	No exposure limit established
Chromium	1 mg/m ³	0.5 mg/m ³
Nickel	1 mg/m ³	1.5 mg/m ³
Manganese	5 mg/m ³	0.2 mg/m ³
Silicon	5 mg/m ³ (respirable)	No exposure limit established
Molybdenum	15 mg/m ³ (total dust)	10 mg/m ³ (total dust)

8.2 Exposure controls and limitations.

- 8.2.1** Exposure control and limitations of the work environment

Observe the regional office regulations for dust.

- 8.2.1.1** Respiratory Protection : Use respiratory equipment
(Type depends on specific application and material being brushed)
- 8.2.1.2** Hand Protection : Wear protective gloves
(Type depends on specific application and material being brushed)
- 8.2.1.3** Eye protection : Wear protective goggles of face sheilds over safety glasses with side shields
(Type depends on specific application and material being brushed)
- 8.2.1.4** Hearing Protection : Use hearing protection
(Type depends on specific application and material being brushed)
- 8.2.1.5** Body Protection : Use protective clothing
(Type depends on specific application and material being brushed)

SECTION 9- Physical/Chemical Characteristics

Characteristics	Value
Appearance	Gray-black solid brushes
Form	Solid in various forms
Color	Grey-Black
Odor	Odorless
Odor threshold	Not determined
pH	N/A
Melting Point	N/A
Boiling Point	No Data
Flash Point	Non-Combustible
Evaporation Rate	N/A
Flammability	Not Flammable
Upper Flammable Limit	N/A
Lower Flammable Limit	N/A

SECTION 9- Physical/Chemical Characteristics cont'd

Characteristics	Value
Vapor Pressure	No data
Vapor Density	N/A
Specific Gravity	7
Solubility in H ₂ O	Insoluble
Partition Coefficient (n-octanol/water)	Not determined
Auto-Ignition Temperature	No data
Decomposition Temperature	No Data
Viscosity	N/A

SECTION 10 - Stability and Reactivity Data

- 10.1 Stability :** Wire power brushes are stable when handled and stored properly. Rust may occur.
- 10.2 Reactivity :** Not reactive
- 10.3 Chemical :** Stable
- 10.4 Conditions to avoid :** None Known
- 10.5 Incompatible materials :** None Known
- 10.6 Hazardous Decomposition Products :** Dust from brushing and grinding could contain ingredients listed in section 3 and other potentially more hazardous components of the basic material being brushed or coatings applied to the base material.
- 10.7 Hazardous Polymerization :** No data

SECTION 11 - Toxicological Data

- Likely route of Exposure : Inhalation, skin, eyes. Products as shipped does not present an inhalation hazard; however subsequent operations may create dusts or fumes which could be inhaled.
- Eyes : Dust may cause eye irritation. Dust particles may cause abrasive injury to the eyes.
- Skin contact : None expected under normal use conditions. Rubbing product across the skin may cause mechanical irritation or abrasions.
- Inhalation : Dust may cause respiratory irritation. May be harmful by inhalation. Prolonged inhalation may cause lung damage.
- Ingestion : None expected under normal use conditions. May be harmful if swallowed.
- Acute Toxicity : No data
- Reproductive Toxicity : Not expected to cause reproductive toxicity.
- Carcinogenicity : None of the components of this product are listed as a carcinogen or potential carcinogen by OSHA, NTP or IARC.
- Germ Cell Mutagenicity : Not expected to be a mutagen.
- Repeat Exposure : Long-term over exposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic effects may be aggravated by smoking. Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases, is the exposure to the dust/fumes from the material or paint/coatings being brushed. Most of the dust generated during brushing is from the base material being brushed and the potential hazard from this exposure must be evaluated.

Section 12-Ecological Information

12.1	Toxicity	No ecological data is available for this product. This product contains ingredients that are toxic to aquatic organisms with long-lasting effects. Avoid environmental releases.
12.2	Persistence and Degradability:	No data
12.3	Bio-Accumulative Potential :	No data
12.4	Mobility in Soil :	Not applicable
12.5	Results of PBT and vPvB assessment :	Not applicable
12.6	Other adverse effects :	Not applicable

Section 13-Disposal Considerations

Dispose in accordance to local and federal regulations

Section 14-Transport Information

Not regulated as a hazardous material for transport

Section 15-Regulatory Information

Regulation (EC) no 1272/2008 (CLP), Canada WHMIS Classification (CPR, SOR/88-66)

Section 16-Other Information

SDS Revision Date: September 1, 2017
Reason for Update: Mandated Update
Preparation By: FlexOvit USA

COMPANY USE

The information and recommendations set forth are taken from sources and references believed to be accurate and complete as of the date hereof. However, FlexOvit USA Inc makes no expressed or implied warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof.