

# Flexovit USA Inc

## SAFETY DATA SHEET

### SECTION 1 - Identification of the Product and Company

- 1.1 Product Name Low carbon steel wool  
1.2 Product Use Floor Sanding and polishing ANSI B7.1-2017

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

Under normal conditions of use, no exposure to hazardous chemicals occurs. Melting or grinding the material can release hazardous fumes or dust. Such processing is not an intended use of this product. Overexposure is not anticipated to be significant.

### SECTION 3 - Composition

<u>Ingredient</u>	<u>Cas #</u>	<u>% Weight</u>
Iron	7439-89-6	>98.5 %
Non-hazardous Cutting Fluid	Mixture	<1.5%

\*This product may contain trace amounts of carbon, manganese, phosphorous, silicon, and sulfur.

This product is an article consisting of a set of shaved low carbon steel processed with non-hazardous cutting fluid.

## SECTION 4-First Aid

### 4.1 First Aid for exposure

- Route of Entry :** Inhalation: No first aid should be required. If dusts or fumes have been generated, remove victim to fresh air. If symptoms or irritation occur and persist, consult a physician
- Route of Entry :** Skin: Wash dust from skin with soap and water. Launder contaminated clothing before reuse.
- Route of Entry :** Ingestion: Not an anticipated route of exposure. If product is swallowed, do not induce vomiting. Seek immediate medical advice
- Route of Entry :** Eye contact: If particles enter eyes, do not rub eyes. Wash eyes under slowly running water, making sure eyes are held wide open and moved slowly in every direction. Ensure no solid particles continue to wash. If irritation persists, consult an ophthalmologist

### 4.2 Signs and Symptoms of Exposure

Particulate may cause eye and respiratory tract irritation. May cause mechanical skin irritation.

## 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:** Product will burn quickly with direct ignition source. Fine dust may present a fire or explosion hazard.
- 5.3 Special Fire Fighting Procedures:** Firefighters should wear appropriate protective equipment; avoid breathing fumes or dust; keep upwind.

## SECTION 6 - Accidental Release Measures

- 6.1 Personal Precautions, Protective Equipment, Emergency Procedures:**  
Wear appropriate eye protection (safety glasses) and cloth or leather gloves.
- 6.2 Environmental Precautions:**  
Report spills and releases as required to appropriate authorities.
- 6.3 Methods and Materials for Containment and Clean-up**  
Solid material should not pose a hazard if spilled. Pick up spilled material and reuse or place in a suitable container for disposal.
- 6.4 References to Other Sections:** Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information

## SECTION 7- Storage, Handling and Use Procedures

- 7.1 Precautions for Safe Handling:** Solid material should not require special handling. Avoid generating dust.
- 7.2 Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry location. Keep product sealed in its packaging to prevent moisture conditions. Keep away from direct sources of intense heat. Avoid contact with strong acids and certain salts.
- 7.3 Specific End Use(s):** None

## SECTION 8- Personal Protective Control Measures

**8.1 Exposure Limits** The main ingredients of this product do not have listed exposure limits

### 8.2 Engineering Controls

**8.2.1 Ventilation:** None required under normal use conditions. Cutting or processing may product dust, use a local and general mechanical dust collection and ventilation in accordance with good engineering practices to minimize exposures levels

### 8.3 Personal Protective Equipment

#### 8.3.1 Respiratory Equipment

None required under normal use conditions. Use NIOSH approved respirator if ventilation is inadequate to control dusts, mists, fumes, or vapors.

#### 8.3.2 Skin Protection

Wear leather or cotton gloves.

#### 8.3.3 Eye Protection

Approved safety glasses are recommended. If processing generates dust, safety glasses with side-shields or tight fitting goggles can be worn to prevent eye irritation or contact.

#### 8.3.4 Other Protective Equipment

None needed under normal use conditions.

## SECTION 9- Physical/Chemical Characteristics

Characteristics	Value
Appearance	Fibrous metallic gray solid in reel, handpad, and/or wool format
Form	Solid in various forms
Color	Silver-Grey
Odor	Negligible
Odor threshold	Not determined
pH	N/A
Melting Point	7.86 @ 20°C
Boiling Point	1535°C (2795°F)
Flash Point	Not Applicable
Evaporation Rate	Negligible
Relataive Density	Not determined
Flamability	Will burn quickly when ignited
Decomposition Temperature	Not Esablished
Vapor Pressure	1 mmHg @ 1787°C
Vapor Density	N/A
Specific Gravity	7.86 @ 20°C
Solubility in H <sub>2</sub> O	Insoluble, can react with water
Partition Coefficient (n-octanol/water)	Negligible
Auto-Ignition Temperature	Not Applicable
Viscosity	Solid

### SECTION 10 - Stability and Reactivity Data

- 10.1 Stability :** Stable under normal conditions
- 10.2 Reactivity :** Not reactive
- 10.3 Chemical :** Stable
- 10.4 Conditions to avoid :** Avoid moisture, heat, flame, ignition sources and dusting
- 10.5 Incompatible materials :** Strong acids, certain salts, strong oxidizers, hydrogen peroxide, nitrogen dioxide and moisture.
- 10.6 Hazardous Decomposition Products :** If heated, product can release toxic fumes (iron oxides)

### SECTION 11 - Toxicological Data

- Likely route of Exposure : There are currently no toxicity data available for this product. The following toxicology information is available for Iron, the main component of this product:
- Eyes : Dust may irritate eyes causing redness, tearing, conjunctivitis
- Skin contact : Dust may irritate skin
- Inhalation : Dust may irritate nasal passages and respiratory tract. Overexposure to dust may cause metal fume fever.
- Ingestion : May cause slight irritation
- Acute Toxicity : Oral rat LD50: 30 g/kg
- Reproductive Toxicity : Not expected to cause reproductive toxicity.

Carcinogenicity :

Ingredient	IARC	NTP	NIOSH	OSHA	ACGIH
Iron (Fe)	3	No	No	No	A4

None of the other ingredients present at >0.1% are listed as carcinogens by any of the above agencies.

Irritancy of product	Can be mildly mechanically irritating
Sensitization of product	No ingredients are listed as sensitizers
Toxicological synergistic products	None known

Germ Cell Mutagenicity : Not expected to be a mutagen.

### Section 12-Ecological Information

- 12.1 Toxicity** This product is not anticipated to cause significant effects on plants or animals if released in small amounts. This product may be harmful to aquatic life if released in very large amounts
- 12.2 Persistence and Degradability:** Product is not expected to biodegrade.
- 12.3 Bio-Accumulative Potential :** No data
- 12.4 Mobility in Soil :** No data
- 12.5 Results of PBT and vPvB assessment :** No data
- 12.6 Other adverse effects :** No data

**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**

**Canadian WHMIS Classifications:** This product is an article and is exempt from WHMIS labeling  
**California Proposition 65:** WARNING! You create dust when you cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal. This dust often contains chemicals known to cause cancer, birth defects or other reproductive harm.

**Section 16-Other Information**

SDS Revision Date: September 1, 2020

Reason for Update: Mandated

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.