

MATERIAL SAFETY DATA SHEET

WIRE BRUSHES

1 Identification of the substance/preparation and of the company/undertaking	
COMPANY NAME:	Rosver SRL
STREET ADDRESS, CITY, STATE, AND ZIP:	Via Concordia 5/C6 – 20099 Sesto San Giovanni (MI)
TELEPHONE NUMBER:	T.+39 0224417219 – F.+39 022403942
TRADE NAME, COMMON NAME, OR SPECIFICATION:	Steel Wire Brushes
APPLICATION OF THE SUBSTANCE:	Used in cleaning rust

2 Composition/information on ingredients					
Chemical characterization					
Description: The component of this product is in the form of element listed below with additions.					
Components Number	CAS Number	Approximate(%)by Wt.Or Vol.	GHS Classification	Workplace Exposure Limit	
				Long-term (8-hour)ppm mg.m-3	Short-term (15-minute) ppm mg.m-3
Fe	7439-89-6	98.146%	-	Not available	Not available
C	7440-44-0	0.63%	-	Not available	Not available
Mn	7439-96-5	0.98%	-	Not available	Not available
P	7723-14-0	0.009%	-	Not available	Not available
S	7704-34-9	0.005%	-	Not available	Not available
Si	7440-21-3	0.23%	-	Not available	Not available

3. Hazards identification
<p>Potential Health Effects:</p> <p>Eye: Dust may cause eye irritation. Dust particles or filings may cause abrasive injury to the eyes.</p> <p>Skin: None expected under normal use conditions.</p> <p>Ingestion: None expected under normal use conditions. Swallowing large pieces may cause obstruction of the gastrointestinal tract.</p> <p>Inhalation: Dust may cause respiratory irritation.</p>

4 First aid measures
<p>Persons using these products should consult a physician or other medical professional if an accident involving these products in injury. Specific first-aid measures are as follows:</p> <p>Eye Contact: Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation persists. Obtain immediate medical attention for foreign body in the eye.</p> <p>Skin Contact: Wash dust from skin with soap and water. Launder contaminated clothing before reuse.</p> <p>Inhalation: If over exposed to dust, remove victim to fresh air and get medical attention.</p> <p>Ingestion: If dust is swallowed, seek medical attention.</p>

5 Fire-fighting measures
<p>Extinguishing Media: Use any media that is appropriate for the surrounding fire.</p> <p>Special Fire Fighting Procedures: Firefighters should not enter confined spaces without wearing NIOSH/MSHA approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment.</p> <p>Unusual Fire and 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.</p> <p>Explosion Sensitivity to Mechanical Impact: Not available.</p> <p>Explosion Sensitivity to Static Discharge: Not available.</p>

6 Accidental release measures
<p>Release Response: Pick up, sweep up or vacuum and place in a container for disposal. Minimize generation of dust. Notify authorities as required by local, state and federal regulations.</p> <p>Measures for environmental protection: Avoid disposing into drainage/sewer system or directly into the aquatic environment.</p>

7 Handling and storage
<p>Handling: Information for safe handling: Dusts or powders may form explosive mixtures with air. Avoid breathing dusts or fumes. Ensure good ventilation/exhaustion at the workplace. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Information about fire and explosion protection: Do not handle, store or open near an open flame, sources of heat or sources of ignition.</p> <p>Storage: Requirements to be met by storerooms and receptacles: Store in a cool, dry, well-ventilated area away from oxidizing agents. Information about storage in one common storage facility: Keep container tightly sealed. Further information about storage condition: Store in cool, dry conditions in well sealed containers.</p>

8 Exposure controls/personal protection
<p>Engineering Controls: Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the TLVs. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Personal Protective Equipment: Protection of Hands: Appropriate protective gloves should be worn as necessary. Protection of Eyes: Use safety glasses. Face shield should be used when welding or cutting. Protection of Respiratory Tract: Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with OSHA 1910.134 and good industrial hygiene practice. Protection of Body: Good personal hygiene practices should be followed including cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing. General protective and hygienic measures: Not available. Material of Gloves: Cloth or leather gloves recommended.</p>

9. Physical and chemical properties	
.General Information	
Form:	Steel wire brush
Color:	Gray
Odor:	Odorless
Change in condition	
Melting point/Melting range:	1000-2000°C
Boiling point/Boiling range:	Not available
Flash point:	Not available
Self-igniting:	Not available
Danger of explosion:	Not available
Vapor pressure:	Not available
Partition coefficient (n-octanol / water):	Not available
Density:	
Relative density:	7.8 g/m ³
Vapor density:	Not available
Evaporation rate:	Not available
Solubility in/Miscibility with Water:	Insoluble
PH-Value:	Not available
Viscosity:	Not available
Dynamic:	Not available

10 Stability and reactivity
<p>Chemical Stability: Stable at room temperature under normal storage and handling conditions. Dangerous Decomposition Products: Dust from grinding or brushing could contain ingredients listed in Section 3 and other, potentially more hazardous components of the base material being ground or brushed or coatings applied to the base material. Hazardous Polymerizations: Will not occur. Conditions to Avoid: Steel at temperatures above the melting point may liberate fumes containing oxides of iron and alloying elements. Avoid generation of airborne fume.</p>

11 Toxicological information

Potential Health Effects:

Acute Effect: Steel products in their solid state under normal conditions, do not present an inhalation, ingestion or skin hazard. However, operations resulting in fume or particulate formation such as welding, sawing, brazing, grinding and machining may present health hazards. Molten steel also is hazardous.

Chronic Effects: Long-term overexposure to dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Skin and/or respiratory sensitization may also occur.

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 ground or brushed.

LD50: Iron: LD50 (Oral, rat)=3000 mg/kg

12 Ecological information

Ecotoxic effects:

Effect of material on plants or animals: Not expected to be harmful to terrestrial organisms.

Effect of material on plants or aquatic life: Not expected to be harmful to aquatic organisms.

Ecological data: Not available

13 Disposal considerations

Waste Disposal Methods: Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

Recommendation Disposal must be made according to official regulations.

14 Transport information

These products are not hazardous as defined by EU related Regulation and Directive.

Proper shipping name: Not available

Hazard class number and description: Not available

Packing Group: Not available

UN Identification: Not available

Marine Pollutant: Not available.

Attentions: Not available.

15 Regulatory information

Labeling according to the GHS(Globally Harmonized System of Classification and Labelling of Chemicals):

GHS label symbols: Not applicable.

Hazard Statement: Not applicable.

Precautionary Statement Prevention: Not applicable.

Precautionary Statement Response: Not applicable.

Precautionary Statement Storage: Not applicable.

Precautionary Statement Disposal: Not applicable.

Other National Regulations:

SARA: Not available.

ICAO/IATA: Not available.

TSCA: Not available.

DOT: Not available.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.