



SDS Number: Steel Wire Power Brushes
& Wheels

Revision Date: 4/3/2025

SAFETY DATA SHEET

This Safety Data Sheet (SDS) covers welding consumables and related products and complies with OSHA's Hazard Communication Standard (29 CFR 1910.1200) and the Superfund Amendments and Reauthorization Act (SARA) of 1986. Refer to the OSHA standard for specific requirements. This SDS is available on our website at www.forneyind.com, through your sales representative, or by contacting customer service at 1-800-521-6038.

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION:

Manufacturer/Supplier: Forney Industries, Inc.
Address: 2057 Vermont Drive Fort Collins, CO 80525
Website: www.forneyind.com
Email: CustomerService@forneyind.com
Phone Number: +1 (800) 521-6038
USA Emergency Phone Number: +1 (800) 535-5053
International Emergency Phone Number: +1 (352) 323-3500
Trade Name: Steel Wire Power Brushes & Wheels

Recommended Use: Material removal, surface finishing

Forney ITEM#'s: 60001, 60002, 60003, 60004, 60005, 60006, 60013, 60014, 60015, 60016, 60017, 60241, 61510, 70473, 70474, 70516, 72100, 72251, 72252, 72253, 72254, 72255, 72265, 72266, 72268, 72269, 72270, 72725, 72726, 72727, 72728, 72729, 72730, 72731, 72732, 72733, 72734, 72735, 72736, 72737, 72738, 72739, 72740, 72741, 72742, 72743, 72744, 72745, 72747, 72749, 72750, 72751, 72752, 72754, 72755, 72756, 72758, 72760, 72762, 72780, 72782, 72792, 72795, 72801, 72802, 72812, 72816, 72819, 72826, 72830, 72832, 72868, 72895, 72896, 72897

SECTION 2 – HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW

Dust may cause eye and respiratory irritation. Dust particles may cause abrasive injury to the eyes.

GHS Label requirements Pictogram

None

Signal Word None

Hazard Statement

A greater hazard, in most cases, is the exposure to the dust/fumes from the material being brushed and the potential hazard from this exposure must be evaluated.



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SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredients	CAS #	Weight %
Manganese	7439-96-5	0.96
Phosphorus	7723-14-0	0.012
Sulfur	7704-34-9	0.004
Carbon	7440-44-0	0.66
Silicon	7440-21-3	0.23

SECTION 4 – FIRST AID MEASURES:

General Measures

Under normal handling and use, exposure to solid forms of this material present few health hazards. Subsequent operations such as grinding, melting or welding may produce potentially hazardous dust or fumes which can be inhaled or come in contact with the skin or eyes.

Inhalation

If overexposed to dust, remove victim to fresh air and get medical attention. [Skin Contact](#)

Wash dust from skin with soap and water. Launder contaminated clothing before reuse.

Eye Contact

Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation occurs and persists.

Ingestion

If dust is swallowed, seek medical attention.

Most Important Symptoms/Effect, Acute and Delayed

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

Indication of Any Immediate Medical Attention and Special Treatment Needed

None known.

SECTION 5 – FIRE-FIGHTING MEASURES:

Extinguishing Media

Use any media that is appropriate for the surrounding fire. [Fire Fighting Procedure](#)

None needed.

Special Protective Equipment

Full face, self-contained breathing apparatus and full protective clothing when necessary.

Hazardous Combustion Products



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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.

SECTION 6 – ACCIDENTAL RELEASE MEASURES:

[Personal Precautions, Protective Equipment and Emergency Procedures](#)

Minimize generation of dust. Use appropriate protective equipment to avoid inhalation and eye contact if dust is generated.

[Environmental Precautions](#)

Notify authorities as required by local, state and federal regulations. [Methods for Clean Up](#)

Pick up, sweep up or vacuum any dust, and place in a container for disposal. [Reference to Other Sections](#)

Refer to Section 8 for personal protective equipment and Section 13 for proper disposal.

SECTION 7 – HANDLING AND STORAGE:

[Precautions for Safe Handling](#)

Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling and use, especially before eating, drinking or smoking. Consider potential exposure to components of the base materials or coatings being brushed, machined or ground. Refer to OSHA's substance specific standards for additional work practice requirements where applicable.

[Conditions for Safe Storage](#)

Store in a dry location. See section 10 for more information on incompatible materials.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION:

8.1.1 Occupational exposure:

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods:

No data available

8.2 Occupational exposure controls:

[Respiratory Protection](#)

Use an approved respirator if exposure limits are exceeded or where dust exposures are excessive. Consider the potential for exposure to components of the coatings or base material being ground in selecting proper respiratory protection. Refer to local regulations for specific standards where appropriate. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with applicable regulations and good industrial hygiene practice.

[Hand Protection](#)

Cloth or leather gloves recommended.



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Eye Protection

Safety goggles or face shield over safety glasses with side shields [Skin Protection](#)

Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:

Characteristic	Value
Form	Solid
Color	Gray-Black
Odor	Odorless
Odor Threshold	Not determined
pH	N/A
Melting Point	~2,500°F – 2,650°F
Boiling Point	No data
Flash Point	N/A
Evaporation Rate	N/A
Flammability	No data
Upper Flammable Limit	No data
Lower Flammable Limit	No data
Vapor Pressure	No data
Vapor Density	N/A
Specific Gravity	No data
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:

Reactivity

No data

[Chemical Stability](#) Stable. Rust may occur. [Conditions to Avoid](#)

Avoid creating or accumulating fines or dust [Incompatible Materials](#)

Acids

[Hazardous Decomposition Products](#)



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Dust from brushing and grinding could contain ingredients listed in Section 3 and other, potentially more hazardous components of the base material being brushed or coatings applied to the base material.

Hazardous Polymerization

No data

SECTION 11 – TOXICOLOGICAL INFORMATION:

Likely Route of Exposure

Inhalation, skin, eyes. Product 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 overexposure 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:

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.

[Persistence and Degradability](#) No data

[Bio-Accumulative Potential](#) No data

[Mobility in Soil](#) No data



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Results of PBT and vPvB Assessment Not applicable

Other Adverse Effects

No data

SECTION 13 – DISPOSAL CONSIDERATIONS:

General

Dispose of in accordance with Federal, State and Local regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

Packaging

Dispose of in accordance with Federal, State and Local regulations. Local regulations may be more stringent than regional and national requirements. It is the responsibility of the waste generator to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

SECTION 14 – TRANSPORT INFORMATION:

DOT/ADR/IATA/IMDG Regulations:

Not regulated

UN Number:

N/A

UN Proper Shipping Name: N/A

Transport Hazard Class:

N/A

Packing Group: N/A

Marine Pollutant: N/A

Special Precautions:

N/A

SECTION 15 – REGULATORY INFORMATION:

US Regulations

SARA Section 311/312

Hazard Categories: Chronic Health [SARA Section 313:](#)

Some products contain the following toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372 (Toxic Chemical Release Reporting): None.



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TSCA Listed

All components are listed. [Regulation \(EC\) No 1272/2008 \(CLP\)](#)

N/A

[Canada WHMIS Classification \(CPR, SOR/88-66\)](#) N/A

[HMIS Rating](#) Health: 1

Flammability: 0

Reactivity: 0 [NFPA Rating](#) Health: 1

Flammability: 0

Reactivity: 0

[Chemical Safety Assessment](#)

A chemical safety assessment has not been carried out.

SECTION 16 – OTHER INFORMATION:

THIS SAFETY DATA SHEET IS PROVIDED AS A COURTESY FOR OUR CUSTOMERS.

THIS PRODUCT IS NOT REGULATED, AND A SAFETY DATA SHEET IS NOT REQUIRED.

THE INFORMATION IN THIS SAFETYDATA SHEET IS BELIEVED TO BE CORRECT AS OF THE DATE ISSUED. THIS MATERIAL DATA SHEET OFFERS ASSISTANCE FOR A SAFE HANDLING OF OUR PRODUCTS, ALTHOUGH THE USER IS RESPONSIBLE FOR DETERMINING WHETHER THIS PRODUCT IS FIT FOR A PARTICULAR PURPOSE AND SUITABLE FOR THE USER'S METHOD OF USE OR APPLICATION.