



Safety Data Sheet

Power Brushes with Stainless Steel Wire

Date Issued - 6/1/2015

SDS Number - PB-02

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION:

Power Brushes with Stainless Steel Wire

GENERAL USE:

Material removal, surface finishing

MANUFACTURER ADDRESS:

Osborn
2350 Salisbury Road
Richmond, Indiana 47374, U.S.A.

CONTACT NUMBER:

765-965-5333

24 HOUR EMERGENCY TELEPHONE NUMBER:

Chemtrec 800-424-9300

2. HAZARD 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.



3. COMPOSITION/INGREDIENT INFORMATION

<i>Ingredients</i>	<i>CAS</i>	<i>Weight %</i>	<i>EC#</i>
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 elements 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.

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

Inhalation of excessive fume or dust concentrations may result in respiratory tract irritation. Move person to fresh air until recovered.

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.



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

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.

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 14 for proper disposal.

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.



8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<i>Ingredients</i>	<i>OSHA / PEL</i>	<i>ACGIH / TLV</i>
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)

Note: Consider also components of base materials and coatings being worked.

Engineering Controls

Ensure adequate ventilation to maintain exposures below occupational limits. Whenever possible the use of local exhaust ventilation or other engineering controls is the preferred method of controlling exposure to airborne dust and fume to meet established occupational exposure limits. Use good housekeeping and sanitation practices. Do not use tobacco or food in work area. Wash thoroughly before eating or smoking. Do not blow dust off clothing or skin with compressed air.

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.

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.



9. PHYSICAL AND CHEMICAL PROPERTIES

<i>Characteristic</i>	<i>Value</i>
Appearance	Gray-black solid brushes
Form	Solid in various forms
Color	Gray-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
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

10. STABILITY AND REACTIVITY

Reactivity

Not reactive

Chemical Stability

Stable

Conditions to Avoid

None known

Incompatible Materials

None known

Hazardous Decomposition Products

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



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.



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

Not applicable

Results of PBT and vPvB Assessment

Not applicable

Other Adverse Effects

Not applicable

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.



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14. TRANSPORTATION 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



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.

California Proposition 65

WARNING: You create dust when you cut, sand, drill or grind materials such as wood, paint, cement, masonry or metal. This product & the dust it creates contains chemicals known in the state of California to cause cancer and birth defects or other reproductive harm.

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.



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16. OTHER INFORMATION

Revision Number 1

Supersedes Date 2015/06/24

Prepared By
Osborn

Manufacturer Disclaimer

The above information is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide. Osborn shall not be held liable for any damages resulting from handling or from contact with the above product.