

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Identification

Product Description : Power Brushes with Carbon Steel Wire
 General Use: : Material removal, surface finishing

1.2. Details of the supplier of the safety data sheet

Distributor : Goodson Manufacturing Company
 156 Galewski Drive
 Winona, MN 55987-0847 - USA
 T 507-452-1830

1.3. Emergency telephone number

Emergency number : 800-924-6804 (24 hours)

SECTION 2: Hazard(s) Identification

2.1. Emergency Overview

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

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) : None

Signal word (GHS-US) : None

Hazard statements (GHS-US) : 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.

SECTION 3: Composition/Information on Ingredients

Ingredients	CAS	Weight %	EC #
Iron	0007439-89-6	95 to 99%	231-096-4
Carbon	0007440-44-0	0.01 to 1.10%	231-153-3
Manganese	0007439-96-5	0.25 to 1.65%	231-105-1
Phosphorus	0007723-14-0	0.00 to 0.04%	231-768-1
Silicon	0007440-21-3	0.00 to 1.60%	231-130-8
Sulfur	0007704-34-9	0.00 to 0.035%	231-772-6
Lead	0007439-92-1	0.00 to 0.005%	231-096-4
Vanadium	0007440-62-2	0.00 to 0.35%	231-171-1
Chromium	0007440-47-3	0.00 to 1.50%	231-157-5
Optional Coatings			
Petroleum Distillates	0064742-52-5	0.00 to 1.00%	265-155-0
	0064741-86-2	0.00 to 1.00%	265-088-7
	0064741-97-5	0.00 to 1.00%	265-098-1
Phosphate	0014265-44-2	0.00 to 1.00%	
Borax	0001303-96-4	0.00 to 1.00%	215-540-4
Lime	0001305-62-0	0.00 to 1.00%	215-137-3
Drawing Lubricant	0001592-23-0	0.00 to 1.00%	
	0000822-16-2	0.00 to 1.00%	212-490-5

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.
- If Inhaled : If overexposed to dust, remove victim to fresh air and get medical attention.
- In Case of Skin Contact : Wash dust from skin with soap and water. Launder contaminated clothing before reuse.
- In Case of Eye Contact : Flush eyes thoroughly with water, holding eyelids open. Get medical attention if irritation occurs and persists.
- If swallowed : If dust is swallowed, seek medical attention.
- Most Important Symptoms/Effects, 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 : 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 Cleaning 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 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 any incompatible materials.

SECTION 8: Exposure Controls/Personal Protection

Ingredients	CAS	OSHA / PEL	ACGIH / TLV
Iron	0007439-89-6	No exposure limit established	No exposure limit established
Carbon	0007440-44-0	15 mg/m ³	—
Manganese	0007439-96-5	5 mg/m ³	0.2 mg/m ³
Phosphorus	0007723-14-0	0.1 mg/m ³	0.1 mg/m ³
Silicon	0007440-21-3	5 mg/m ³ (respirable)	5 mg/m ³ (respirable)
Sulfur	0007704-34-9	13 mg/m ³ (as SO ₂)	0.25 ppm (as SO ₂)
Lead	0007439-92-1	0.5 mg/m ³	0.5 mg/m ³
Vanadium	0007440-62-2	0.5 mg/m ³ (as V ₂ O ₅)	0.5 mg/m ³ (as V ₂ O ₅)
Chromium	0007440-47-3	1 mg/m ³	0.5 mg/m ³
Optional Coatings			
Petroleum Distillates	0064742-52-5	5 mg/m ³ (as oil mist)	5 mg/m ³ (as oil mist)
	0064741-86-2	5 mg/m ³ (as oil mist)	5 mg/m ³ (as oil mist)
	0064741-97-5	5 mg/m ³ (as oil mist)	5 mg/m ³ (as oil mist)
Phosphate	0014265-44-2	No data	No data
Borax	0001303-96-4	10 mg/m ³	1 mg/m ³
Lime	0001305-62-0	15 mg/m ³	—
Drawing Lubricant	0001592-23-0	10 mg/m ³	10 mg/m ³
	0000822-16-2	10 mg/m ³	10 mg/m ³

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 fumes to meet established occupational exposure limits. Use good housekeeping and sanitation practices. Do not use tobacco or food in work areas. 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 practices.
- Hand Protection : Cloth or leather gloves are 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.

SECTION 9: Physical and Chemical Properties

Appearance	: Gray-Black solid brushes
Form	: Solid, in various forms
Color	: Gray-Black
Odor	: Odorless
Odor threshold	: Not determined
pH	: Not applicable
Melting point	: ~2,500°F to 2,650°F
Boiling point	: No data
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability	: No data
Upper/Lower Flammability Limits	: No data
Vapor Pressure	: No data
Vapor Density	: Not applicable
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	: Not applicable

SECTION 10: Stability and reactivity

Reactivity	: No data.
Chemical Stability	: Product is stable. Rust may occur.
Conditions to Avoid	: Avoid creating or accumulating fines or dust.
Incompatible Materials	: Acids.
Hazardous Decomposition Products	: Dust from brushing and grinding could contain ingredients listed in Section 3 and other, more potentially hazardous components of the base material being brushed or coatings applied to the base material.
Hazardous Polymerization	: No data.

SECTION 11: Toxicological Information

Likely Routes 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 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 exposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic symptoms 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.

Bioaccumulative Potential : No data.

Mobility in Soil : No data.

Results of PBT & 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 : Not applicable.

UN Proper Shipping Name : Not applicable.

Transport Hazard Class : Not applicable.

Packaging Group : Not applicable.

Marine Pollutant : Not applicable.

Special Precautions : Not applicable.

SECTION 15: Regulatory Information

15.1. Safety, Health & Environmental Regulations Specific for the Product in Question

(TSCA) Inventory : All components of this product are included on the TSCA inventory.

Regulation (EC) No 1272/2008 (CLP) : Not applicable

Canada WHMIS Classification (CPR, SOR/88-66) : Not applicable.

HMIS Rating : Health = 0, Flammability = 0, Reactivity = 0

NFPA Rating : Health = 0, Flammability = 0, Reactivity = 0

Chemical Safety Assessment : A chemical safety assessment has not be carried out.

GOODSON

Tools and Supplies for Engine Builders

156 Galewski Drive • P.O. Box 847 • Winona, MN 55987-0847
Toll-Free 1-800-533-8010 • Local 507-452-1830 • www.goodson.com

ADA-6, DA-7, TS-6, TS-8, QTC-6

Wire Wheels

Safety Data Sheet

Date of Issue: 6/1/2015, Version 1.0

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 and the dust it creates contains chemicals known in the state of California to cause cancer and birth defects or other reproductive harm.

SECTION 16: Other Information

Date of Issue : 06/01/2015

Revision Number : 1

Disclaimer : This SDS is provided as an information resource only. This document should not be taken as a warranty for which Goodson or its vendors assume legal responsibility. The information contained within this SDS was provided by raw materials and other reliable sources. As data and or regulations change, and conditions of use and handling are beyond control, no warranty, expressed or implied is made. Personnel handling this material must make independent determinations of the suitability and completeness of information to assure proper use and disposal of this material and the safety and health of employees and customers. The buyer assumes all responsibility of using and handling the product in accordance with applicable Federal, State and Local regulations. The user should consider the health hazards and safety information herein as a guide and should take necessary steps to train employees and to develop work practice procedures to ensure a safe work environment.

End of Safety Data Sheet