70475

FORNEY INDUSTRIES

# Safety Data Sheet
# Power Brushes with Carbon Steel Wire
# Date Issued - 6/1/2015

## 1. PRODUCT AND COMPANY IDENTIFICATION

*PRODUCT DESCRIPTION:*
Power Brushes with Carbon Steel Wire

*FORNEY SKUs:*
70475, 70476, 70483, 70509, 72725, 72726, 72727, 72728, 72729, 72730, 72731, 72732, 72733, 72734, 72735, 72736, 72737, 72738, 72739, 72740, 72741, 72742, 72743, 72744, 72745, 72746, 72747, 72748, 72749, 72750, 72751, 72752, 72753, 72754, 72755, 72756, 72757, 72758, 72759, 72760, 70761, 72762, 72780, 70782, 72784, 72788, 72789, 72790, 72791, 72792, 72793, 72794, 72795, 72796, 72797, 72798

*MANUFACTURER ADDRESS:*
Forney Industries, Inc.
2057 Vermont Drive
Fort Collins, CO 80525 USA

*CONTACT NUMBER:*
**800-521-6038**

*24 HOUR EMERGENCY TELEPHONE NUMBER:*
**800-535-5053**

## 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

| *Ingredients* | *CAS* | *Weight %* | *EC#* |
|---|---|---|---|
| Iron | 7439-89-6 | 95-99 | 231-096-4 |
| Carbon | 7440-44-0 | 0.01-1.1 | 231.153-3 |
| Manganese | 7439-96-5 | 0.25-1.65 | 231-105-1 |
| Phosphorus | 7723-14-0 | 0.00-0.04 | 231-768-7 |
| Silicon | 7440-21-3 | 0.0-1.6 | 231-130-8 |
| Sulfur | 7704-34-9 | 0.000-0.035 | 231-722-6 |
| Lead | 7439-92-1 | 0.000-0.005 | 231-096-4 |
| Vanadium | 7440-62-2 | 0.00-0.35 | 231-171-1 |
| Chromium | 7440-47-3 | 0.0-1.5 | 231-157-5 |
| *Optional Coatings* | | | |
| Petroleum Distillates | 64742-52-5 | 0.0-1.0 | 265-155-0 |
| | 64741-86-2 | 0.0-1.0 | 265-088-7 |
| | 64741-97-5 | 0.0-1.0 | 265-098-1 |
| Phosphate | 14265-44-2 | 0.0-1.0 | |
| Borax | 1303-96-4 | 0.0-1.0 | 215-540-4 |
| Lime | 1305-62-0 | 0.0-1.0 | 215-137-3 |
| Drawing Lubricant | 1592-23-0 | 0.0-1.0 | |
| | 822-16-2 | 0.0-1.0 | 212-490-5 |

## 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.

## 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 13 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

| *Ingredients* | *OSHA IPEL* | *ACGIH /TLV* |
|---|---|---|
| Iron | No exposure limit established | No exposure limit established |
| Carbon | 15 mg / $m^3$ | |
| Manganese | 5 mg/ $m^3$ | 0.2 mg / $m^3$ |
| Phosphorus | 0.1 mg/m3 | 0.1 mg / $m^3$ |
| Silicon | 5 mg/m3 (respirable) | 5 mg/m3 (respirable) |
| Sulfur | 13 mg/m3 *(as* S02) | 0.25 ppm (as S02l) |
| Lead | 0.5 mg/m3 | 0.5 mg /$m^3$ |
| Vanadium | 0.5 mg / $m^3$ *(as* V205) | 0.5 mg/m3 (as V205) |
| Chromium | 1 mg/m3 | 0.5 mg /$m^3$ |
| *Optional Coatings* | | |
| Petroleum Distillates | 5 mg/m3 *(*as oil mist) | 5 mg/m3 (as oil mist) |
| Phosphate | No data | No data |
| Borax | 10 mg / $m^3$ | 1 mg/m3 |
| Lime | 15 mg/m3 | |
| Drawing Lubricant | 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 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

| *Characteristic* | *Value* |
|---|---|
| Appearance | Gray-black solid brushes |
| Form | Solid in various forms |
| Color | Gray-Black |
| Odor | Odorless |
| Odor Threshold | Not determined |
| pH | **N/A** |
| Melting Point | -2,S00°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 H20** | **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*
Nodata

*Chemical Stability*
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, potentially more hazardous components of the base material being brushed or coatings applied to the base material.

*Hazardous Polymerization*
Nodata

## 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*

Nodata

*Bio-Accumulative Potential*

Nodata

*Mobility in Soil*

Nodata

Results *of PBT and vPvB Assessment*

Not applicable

*Other Adverse Effects*

Nodata

## 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.

## 14. TRANSPORTATION INFORMATION

*DOT/ADR/IATA/IMDG Regulations:*
Not regulated

*UN Number:*
N/A

*UN Proper Shipping Nome:*
N/A

*Transport Hazard Class:*
N/A

*Packing Group:*
N/A

*Marine Pollutant:*
N/A

*Special Precautions:*
N/A

## 15. REGULATORY INFORMATION

*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: 0

Flammability: 0

Reactivity: 0

*NFPA Rating*
Health: 0

Flammability: 0

Reactivity: 0

*Chemical Safety Assessment*
A chemical safety assessment has not been carried out.

*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.

## 16. OTHER INFORMATION

*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. Forney shall not be held liable for any damages resulting from handling or from contact with the above product.