



**MATERIAL SAFETY DATA SHEET FOR
STEEL AND STAINLESS STEEL WIRE BRUSHES**

Format by ISO standard 11014

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Important Notice:

Wire Brushes are inert products which do not create any risk when handled or stored. When used on grinding machines they require specific actions to protect the operators. During the brushing operation 90 % or more of the particulates of the dust come from the material being ground. Specific attention must therefore be given to the nature of the part and the appropriate protection devices must be installed.

1. PRODUCTION IDENTIFICATION

-1 WIRE BRUSHES WITH FILLING OF STEEL OR STAINLESS STEEL WIRE

2. COMPOSITION / INFORMATION ON INGREDIENTS

- 2.1 Wire / filling materials: steel (C60, C72), stainless steel (1.4301, 1.4310, 1.4401, 1.4410, 1.4571, 1.4860)
2.2 Brush body: steel, stainless steel, beach wood (only for hand brushes)
2.3. Others: -----

3. HAZARDS IDENTIFICATION

NOT APPLICABLE.

Wire brushes are not dangerous products as defined in EC Directive Nr. 88/379

4. FIRST AID MEASURES

NOT APPLICABLE WHEN WIRE BRUSHES NOT IN USE ON MACHINES:

Following recommendations are basic rules during a brushing operation, they must be completed by the information appearing in the Safety data sheet of the material ground.

- Ø Dust inhalations: Remove form exposure, seek medical service if symptoms persist
Ø Eye: Remove form exposure and flush with clean water. If symptoms persist seek medical advice
Ø Skin: No hazardous effect known
Ø Ingestion: No hazardous effect known



5. FIRE FIGHTING MEASURES

NONE specific. Water, powder, foam, sand, CO² can be used if compatible with operating conditions.

6. ACCIDENTAL RELEASE MEASURES

NOT APPLICABLE

7. HANDLING AND STORAGE

Follow recommendations for machines and national regulations.

- Store wire brushes in moderate constant temperature and dry conditions.
- For detailed recommendations refer to the ABMA Safety Leaflets for wire brushes local standards like ANSI B165.1

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

NOT APPLICABLE WHEN WIRE BRUSHES ARE HANDLED OR STORED.

For welding and cutting – use adequate ventilation and approved respirator.

8.1. The following personal protective equipment should be used dependent on the operation on the material being ground:

Ø Eye protection:	Machine guarding and safety goggles or face shield
Ø Dust protection:	Use of dust mask
Ø Hand protection:	Use of protective gloves
Ø Skin protection:	Use of suitable protective clothing

8.2 Hygiene measures: No specific requirements.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical state:	Solid
9.2 Colour:	Variable
9.3 Odour:	Not applicable (May give off non specific odour in use)
9.4 pH:	Not applicable
9.5 Change of physical state:	Not applicable
9.6 Density/Bulk density:	Not applicable
9.7 Vapour pressure:	Not applicable
9.8 Flash point:	Not applicable
9.9 Explosion properties:	Not applicable
9.10 Viscosity:	Not applicable
9.11 Solubility in water:	Not defined

10. STABILITY AND REACTIVITY

Wire brushes are stable and non reactive when handled or stored.

10.1 Conditions to avoid: not applicable

10.2 Material to avoid:

Strong acids, strong bases & strong oxidising agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.

10.3 Hazardous decomposition products: if wire brushes are used in accordance with instructions no hazardous decomposition products are created.



11. TOXICOLOGICAL INFORMATION

NOT APPLICABLE WHEN HANDLED OR STORED.

According to the experience gathered for many years, wire brushes, when properly used have no adverse effect on health, refer to the preliminary note about dust.

12. ECOLOGICAL INFORMATION

12.1 Mobility: Not applicable.

12.2 Persistence and degradability: Not defined

12.3 Bioaccumulative potential: Not applicable

12.4 Ecotoxicity: Not applicable

13. DISPOSAL CONSIDERATIONS

After use, wire brushes may be contaminated with hazardous materials (particles of cooling agents) and should be disposed of in accordance with national regulations.

14. TRANSPORT

Wire brushes are not dangerous products

15. REGULATORY INFORMATION

EC-Regulations: None, no specific marking required under the
EC-Directive Nr. 88/379

National or Local Regulations: Refer to relevant texts

16. OTHER INFORMATION

WARNING!

The above indications are based on the existing practice and do not constitute a guarantee. The laws and regulations must be strictly followed by the users who remain responsible for the use of wire brushes.