

Product Data Sheet

According to EU 1907/2006 REACH

Steel Wire Brushes



Date of issue: 11.07.12
Date of print: 17.10.19

1. PRODUCT AND COMPANY IDENTIFICATION

1.1. **Product:** Steel Wire Brushes
1.2. **Trade name:** Art. No.: 191 - 195
1.3. **Manufacturer:** HATHO GmbH
Freiburger Straße 18
D-79427 Eschbach
Tel: + 49 (0)7634/5039-0
Fax: + 49 (0)7634/5039-22
E-mail: info@hatho.de
1.4. **Reference:** Management
1.5. **Emergency telephone number:** Tel: + 49 (0)7634/50390 // E-mail: info@hatho.de

2. HAZARDS IDENTIFICATION

2.1. **Categorisation of the substance / product:** Manufacture: Brushes with steel wire edging
GHS / CLP / EC Rating Not rated

2.2. **Hazard - labels:** Hazard symbols: none
Signal words : none
P 280: safety gloves / protective goggles

2.3. **Further hazards:** Under consideration of the usual precautionary measures, the general accident prevention regulations and correct handling of the safety equipment, there are no particular hazards known.

3. INGREDIENTS

3.1. **Chemical characterisation of the edging material:** Steel wire
Ingredients:

Chemical Name	CAS – No.	Content (%)
iron (Fe)	7439-89-6	moiety
carbon (C)	7440-44-0	max. 1
silicium (Si)	7440-21-3	max. 0,3
manganese (Mn)	7439-96-5	max. 1,2
phosphor (P)	7723-14-0	max. 0,02
sulphur (S)	7704-34-9	max. 0,025
copper (Cu)	7440-50-8	max. 0,2
zinc (Zn)	7440-66-6	max. 300(g/m ²)
micro elements		max. 1

3.2. **HAZARDOUS INGREDIENTS:** NONE

4. FIRST AID MEASURES

4.1. **General notes:** See VBG 103
4.2. **Inhalation:** Not possible, because of the products size
4.3. **Skin contact:** Product is generally not skin irritating, if signs / symptoms develop get medical attention
4.4. **Eye contact:** Flush eyes with large amounts of water, if signs / symptoms persist get medical attention
4.5. **If swallowed:** Get medical attention
4.6. **Information for the physician:** NONE

Product Data Sheet

According to EU 1907/2006 REACH

Steel Wire Brushes



Date of issue: 11.07.12
Date of print: 17.10.19

5. FIRE FIGHTING MEASURES

- 5.1. **Eligible extinguishing media:** The product itself does not burn
5.2. **For safety reasons not eligible extinguishing media:** Not applicable
5.3. **Special hazards due to the substance or its combustion products:** None known
5.4. **Special safety equipment:** None known
5.5. **Additional information:** None known

6. ACCIDENTAL RELEASE MEASURES

- 6.1. **Individual-related safety measures:**
6.2. **Environmental safety measures:** No negative ecological effects known
6.3. **Cleaning measures:** Grab mechanically
6.4. **Additional information:** No dangerous substances are being discharged

7. HANDLING AND STORAGE

- 7.1. **Handling:** Information for secure handling: see VBG 49
Personal safety equipment: protective goggles
Hand guard: safety gloves, only for long and intensive skin contact
Breathing protection: vacuum the polishing abrasion automatically

7.2. **Storage:** Requirements for storage areas and containers: only use containers, which are specifically suited for the product store in areas with sufficing ventilation

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

- 8.1. **Additional information for the arrangements of technical construction:** Note: pay attention to the general regulations for accident prevention, especially the maximal peripheral surface speed and number of revolutions
8.2. **Components with workplace related limit values:**
8.3. **Individual safety equipment:** See 7.1

9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1.1. **Form:** solid
9.1.2. **Colour:** metallic
9.1.3. **Odour:** scentless
9.2. **Combustibility:** none
9.3. **Melting point:** > 1000°C, zinc = 419,6°C
9.4. **Self ignition:** none
9.5. **Explosion hazard:** none
9.6. **Explosion range:** none
9.7. **Density at T = 20°C :** 7,6 - 7,85 g/cm³
9.8. **Solubility in water at T = 20°C :** insoluble
9.9. **PH-value:** not applicable
9.10. **Viscosity:** not applicable
9.11. **Flashpoint:** not applicable
9.12. **Thermal decomposition:** none
9.13. **Additional information:**

10. STABILITY AND REACTIVITY

- 10.1. **Avoid these conditions:** structural changes start at > 300°C, ZnO – smoke starts to form at > 650°C
10.2. **Avoid these substances:** stable and not reactive
10.3. **Hazardous decomposition products:** none known
10.4. **Additional information**

Product Data Sheet

According to EU 1907/2006 REACH

Steel Wire Brushes



Date of issue: 11.07.12
Date of print: 17.10.19

11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicity: none known
11.2. Subacute / chronic toxicity: none known

12. ECOLOGICAL INFORMATION

12.1. Elimination information
(persistence and decomposability) Water endangerment class: 0 (self assigned)
12.2. Behaviour in environment compartments
12.3. Ecotoxicological effects
12.4. Additional ecological information

13. DISPOSAL CONSIDERATIONS

13.1. Product: Recommendation: collect waste and hand it over to you disposal partner
13.2. Packaging: Recommendation: cardboard, recyclable

14. TRANSPORT INFORMATION

14.1. Regulations: No hazardous material in terms of transport regulations

15. REGULATORY INFORMATION

15.1. Labels: P 280: safety gloves / protective goggles
See 2.2



15.2. National regulations: CLP - Verordnung (EG) 1272/2008

16. ADDITIONAL INFORMATION

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

THIS PRODUCT IS NOT REGULATED, AND A MATERIAL DATA SHEET IS NOT REQUIRED FOR THIS PRODUCT BY THE OSHA HAZARD COMMUNICATION STANDARD.

THE INFORMATION IN THIS MATERIAL DATA 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.

HATHO MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE.

HATHO PROVIDES INFORMATION IN ELECTRONIC FORM AS A SERVICE TO ITS CUSTOMERS. DUE TO THE REMOTE POSSIBILITY THAT ELECTRONIC TRANSFER MAY HAVE RESULTED IN ERRORS, OMISSIONS OR ALTERATIONS IN THIS INFORMATION, HATHO MAKES NO REPRESENTATIONS AS TO ITS COMPLETENESS OR ACCURACY. IN ADDITION, INFORMATION OBTAINED FROM A DATABASE MAY NOT BE AS CURRENT AS THE INFORMATION IN THE MATERIAL DATA SHEET AVAILABLE DIRECTLY FROM HATHO.