

# SAFETY DATA SHEET ACCORDING TO DIR 2001/58/EEC

PRODUCT FAMILY: Wire Gauze

REVISION DATE: 22.07.2005

## 1 IDENTIFICATION OF THE PRODUCT AND COMPANY

### 1.1 IDENTIFICATION OF THE PRODUCT (new / (old) code, description)

- 0240-0428 (GSG428) COARSE GAUZE 28 MESH SS TYPE 304 FOR SCREENS ETC
- 0240-0440 (GSG440) MEDIUM GAUZE 40 MESH SS TYPE 304 FOR SCREENS ETC
- 0240-0450 (GSG450) FINE GAUZE 50 MESH SS TYPE 304 FOR SCREENS ETC
- 0240-0460 (GSG500) GOLD PLATED GAUZE
- 0240-4100 (GSG4100) EXTRA FINE GAUZE 100 MESH SS TYPE 304 FOR SCREENS

### 1.2 UTILISATION OF THE PRODUCT

- Manufacture of devices, including removable custom made dental devices

### 1.3 IDENTIFICATION OF THE COMPANY

MANUFACTURER: ATTENBOROUGH BRUSH LTD,  
VISCOSA HOUSE,  
GEORGE STREET,  
NOTTINGHAM. NG1 3BN.  
UK.

EMERGENCY TELEPHONE NUMBER: + 44 (0) 115 947 3562

## 2 COMPOSITION

Stainless steel to BS EN ISO 7153-1:2000

## 3 HAZARDS IDENTIFICATION

- PRODUCT NOT CLASSIFIED DANGEROUS.
- NO SPECIFIC HAZARDS ARE ENCOUNTERED UNDER NORMAL PRODUCT USE.

## 4 FIRST AID MEASURES

### 4.1 CONTACT WITH SKIN

The specific indications will not cause irritation unless the patient has sensitivity to the composition

### 4.2 CONTACT WITH EYES

The specific indications will not cause irritation unless the patient has sensitivity to the composition.

### 4.3 SWALLOWING

Always seek medical assistance if the product is swallowed.

### 4.4 INHALATION

Always seek medical assistance if the product is inhaled.

## 5 FIRE FIGHTING MEASURES

### 5.1 RECOMMENDED EXTINGUISHERS

Dry powder extinguishing media

### 5.2 EXTINGUISHERS NOT TO BE USED

None in particular

### 5.3 RISKS ARISING FROM COMBUSTION

Avoid inhaling the fumes

### 5.4 PROTECTIVE EQUIPMENT

Use protection for the respiratory tract – fire areas should not be entered without breathing apparatus.

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Dental Product Manufacturers  
Dental Equipment and Supplies

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## 6 ACCIDENTAL RELEASE MEASURES

- 6.1 MEASURES FOR PERSONAL SAFETY None in particular
- 6.2 ENVIRONMENTAL MEASURES None in particular
- 6.3 CLEANING METHODS None in particular

## 7 HANDLING AND STORAGE

- 7.1 HANDLING PRECAUTIONS None in particular. Under unusual and particularly favourable conditions, such as considerable accumulation, very fine particulate size and strong ignition sources, fire or explosion may occur.
- 7.2 INCOMPATIBLE MATERIALS As a generality do not store metals near acids (particularly nitric acid) or alkalis. Contact with these substances may produce noxious fumes or inflammable gases
- 7.3 STORAGE CONDITIONS Keep in a closed container between 0°C and 50°C



## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

- 8.1 PRECAUTIONARY MEASURES Under normal conditions of use the materials represent no health hazards with the exception of mechanical damage
- 8.2 RESPIRATORY MEASURES Metal machining, grinding, melting, brazing, welding and heating may produce fine metal particulate, dust or fume. These operations should be carried out under well-ventilated conditions. If inhaled, metal fumes and dust may cause respiratory tract irritation and metal fume fever. The symptoms of these conditions may resemble those of mild influenza. If exposure may have occurred qualified medical opinion should be immediately sought.
- 8.3 PROTECTION FOR THE HANDS Wire cloth can have a cutting edge. Protective gloves should be worn as appropriate
- 8.4 EYE PROTECTION Always wear goggles when grinding
- 8.5 PROTECTION FOR THE SKIN All materials carry very thin films of oil lubricants and it is recommended suitable barrier creams should be used as appropriate prior to handling the product and that afterwards hands should be washed with soap and water before eating, drinking or smoking.



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## 9 PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 APPEARANCE AND COLOUR

- Chromium
- Nickel
- Manganese
- Silicon
- Carbon, sulphur, phosphorous

Silver metal.  
 16.5 – 26.0%  
 8.0 – 22%  
 2.0% (maximum)  
 1.5% (maximum)  
 trace

Some alloys contain up to 1.0% titanium and / or up to 3.0% molybdenum

### 9.2 ODOUR

Odourless

## 10 STABILITY AND REACTIVITY

### 10.1 CONDITIONS TO AVOID

Stable under normal conditions. An explosion may occur if molten metal is in contact with water. Boiling point, vapour pressure, pH, density, evaporation rate or solubility in water are not applicable

### 10.2 SUBSTANCES TO AVOID

As a generality do not store metals near acids (particularly nitric acid) or alkalis.

### 10.3 HAZARDOUS DECOMPOSITION PRODUCTS

Contact with these substances may produce noxious fumes or inflammable gases

## 11 TOXICOLOGICAL INFORMATION

### 11.1 SWALLOWING

May become lodged in the digestive tract and cause irritation. Note that risk of swallowing should at all times be avoided. If accidentally swallowed OES limits to constituents are as below.

### 11.2 INHALATION

May become lodged in the respiratory tracts and cause irritation. Note that risk of inhalation should at all times be avoided. If accidentally inhaled OES limits to constituents are as below.



Denplan



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**Nickel:**

Metallic nickel and its salts are potent skin sensitisers. Occupational asthma due to respiratory sensitisation to nickel and nickel salts has been recorded in the electroplating, metal polishing, catalyst reprocessing and stainless steel welding industries. OES long-term limit to nickel is 0.5mg/m<sup>3</sup>.

**Chromium**

Essentially non-toxic in elemental form. As trioxide it may be oxidising and corrosive and may cause skin sensitisation. OES long-term limit for chromium is 0.5mg/m<sup>3</sup>

**Manganese**

Essentially non-toxic in elemental form although as a dioxide can be harmful by ingestion or inhalation. OES limits are:

|                                     | Long Term (mg/m <sup>3</sup> ) | Short Term (mg/m <sup>3</sup> ) |
|-------------------------------------|--------------------------------|---------------------------------|
| Manganese fume (as Mn)              | 1.0                            | 3.0                             |
| Manganese and its Compounds (as Mn) | 5.0                            | n/a                             |
| Trimanganese tetroxide              | 1.0                            | n/a                             |

**Silicone**

Essentially non-toxic in elemental form. OES long-term limit is 10.0mg/m<sup>3</sup> as total inhalable dust and 5.0mg/m<sup>3</sup> as respirable dust.

**Titanium**

Essentially non-toxic in elemental form. OES long-term limit for titanium dioxide is 10.0mg/m<sup>3</sup> as total inhalable dust and 5.0mg/m<sup>3</sup> as respirable dust.

**Molybdenum**

Essentially non-toxic in elemental form. OES limit for soluble molybdenum compounds as Mo is 5.0mg/m<sup>3</sup> as (long term) and 10.0mg/m<sup>3</sup>(short term)

**12 ECOLOGICAL INFORMATION**

Use according to good working practice

**13 DISPOSAL CONSIDERATIONS**

Comply with the local and national regulations currently in force. Waste not dangerous.

**14 TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations

**15 REGULATORY INFORMATION**

- The product is manufactured from stainless steel to BS EN ISO 7153-1:2000
- The product should not be considered dangerous according to DIR 88/379/EEC.
- The product is not classified as a Medical Device according to DIR 93/42/EEC.
- The product must be tested and approved under the processes of the individual or organisation if it is used in the manufacture a removable custom made dental device.

**16 OTHER INFORMATION**

Every effort has been made to ensure that the information is correct and gives adequate safety within current knowledge. Whilst responsibility for errors and omissions are not accepted, the Company will endeavour to supply information of any of its products on request.



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