

Hand made



sia Fibral

Page 1 of 4
Version : 3
Supersedes issue 2
dated 08.06.99

Safety Data Sheet according to 91/155/EEC

Productname : FIBRAL STANDARD & HEAVY DUTY RANGE
ALUMINIUM OXIDE GRADES

Date of revision : 12 July 2001

1. Substance / preparation and company identification

Productname : Fibral Standard & Heavy Duty Range Aluminium Oxide Grades:

Handpads: Rolls; Sheets; Discs; Mops; Spindle Mounted Wheels; Flap Wheels; Lap Mops; Disc
Wheels: PCB Brushes which incorporate the Fibral Standard Range - Aluminium Oxide Grades.

Productcode : 4170, 4180, 4397, 4400, 4460, 4470, 4471, 4480, 4481, 4600, 4602, 4603, 4609,
4660, 4660H, 4670, 4671, 4673, 4680, 4683, 4790
Company : sia Fibral
Telephone : 01422 313200 Fax : 01422 313225
Information department : Abrasives
Emergency contact : B Crompton

2. Composition / information on ingredients

Chemical nature (substance) :

CAS-Reg.No : Chemical name :
EEC-No : EINECS-No :
Further information :

Chemical nature (preparation) :

Description :
Hazardous ingredients :
CAS-Reg.No : Chemical name : Content : Unit:
Hazard symbols : Risk phrases :

Further information :

The Fibral material is a nonwoven abrasive material used for the cleaning and stripping of metal and is not a chemical as above, and as regarded by EEC guidelines 91/155/EEC. Despite this fact an EEC safety data sheet is provided in order to give the necessary information for a safe handling of the nonwoven material

This product is made up from the following raw materials:- Polyamide fibres, cured Phenol Formaldehyde resin, Aluminium Oxide and aluminosilicate refractory aggregate abrasive grits and colour.

Note: The aluminosilicate contains no free crystalline silicon.

Footnote: On the basis of the information available to us, abrasive materials are non toxic both in storage and in use, but precautions need to be taken to avoid inhalation and contact with dust particles generated in use (see section 8).

3. Possible hazards

Fire fighting hazards as section 5 below.

Inert in storage, but a nuisance dust generated during end-use. Proper precautions should therefore be taken by end users as described in section 8.

FIN0010

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9. Physical and chemical properties

Appearance : Nonwoven abrasive materials
 Colour : Maroon/Brown.
 Odour : None
 Changes in physical state
 Boiling point/Boiling range (°C) : Not applicable
 Melting point (°C) : Softens at temperatures above 220°C
 Freezing temperature (°C) : Not applicable
 Flash point (°C) : Not applicable
 Ignition temperature (°C) : Not applicable
 Autoignition : Not applicable
 Explosion hazard : None
 Explosion limits (Vol.-%) : lower : upper : Not applicable
 Vapour pressure (mbar) : Not applicable
 Density (g/cm³) : Not applicable
 Bulk density (kg/m³) : Not applicable
 Solubility in water : Not applicable
 Solubility in other solvents : Not applicable
 pH-value : Not applicable
 Viscosity : Not applicable
 Additional information : These materials are multi component bonded fibre abrasive fabrics, not chemicals. Therefore most clauses above are not relevant.

10. Stability and reactivity

Conditions to avoid : No hazardous reaction known
 Substances to avoid : None
 Hazardous decomposition products : See note 5
 Additional information : None

11. Toxicological information

Acute toxicity : No data available.
 Specific symptoms in animal experiments : No test conducted.
 Irritation effects : See note 4.
 Sensitization : See note 4.
 Subacute to chronic toxicity : No data available.
 Carcinogenicity, mutagenicity, teratogenicity : No data available.
 Information from practical experience : In our experience and according to the information available to us the products are not harmful to health provided they are correctly handled and processed according to the given recommendations.
 Additional information : None

12. Ecological information

Information about degradability : Not bio-degradable
 Environmental effects : No data available
 Ecotoxicity : No toxic effect expected
 Further ecological information : None

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(ALUMINIUM OXIDE GRADES)

13. Dispose considerations

Product :) Must be sent to a landfill site approved by individual national
 Disposal code number (Germany) :) regulations or incinerated in accordance with local/national
 Contaminated packaging :) regulations

14. Transport information

Land transport :

ADR/RID Class : Subclass :
 Warning sign Hazard-No : UN-No :
 Name of material :
 Remarks : Not classed as hazardous under transport regulations.

Inland ship transport :

ADN/ADNR Class : Subclass :
 Category :
 Name of material :
 Remarks : Not classed as hazardous under transport regulations.

Sea transport :

IMDG Class : UN-No : PG :
 IBC : MFAG :
 Marine pollutant :
 Technical name of material :
 Remarks : Not classed as hazardous under transport regulations.

Air transport

IATA/ATA-DGR Class : UN/ID-No : PG :
 Technical name of material :
 Remarks : Not classed as hazardous under transport regulations.

Additional information : None

15. Regulatory information

Labeling according to EEC-Directives : None required
 Symbol and indication of hazards : None required
 Confine : None required
 Risk phrases : None required
 Safety phrases : None required
 Special labelling : All packs of material formed into wheels, discs, brushes contain special safety labels for end-use operations.

National regulation (Germany) :

Further information : Additional labeling will be supplied on request to comply with individual national regulations

16. Other information

The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. The safety data sheet only describes the products in aspect of their safety requirements. Recipients of our product must take responsibility for observing existing laws and regulations.

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4. First-aid measures See item 3 above. The following is only applicable in <u>end use</u> .	
General advice	: The only hazard is from non toxic dust particulates <u>in end use</u> .
Inhalation	: No special treatment necessary for short exposures (see note 8).
Skin contact	: No special treatment necessary. i.e. safe to handle.
Eye contact	: Irrigation with water to clear dust. Consult eye specialist.
Ingestion	: No special treatment necessary for isolated occurrences. Do not ingest.
Information for the doctor	: These fabrics are non toxic except when burning (see 5 below).
5. Fire-fighting measures	
Suitable extinguishing media	: Any can be used.
Unsuitable extinguishing media	: None.
Exposure hazards	: During a fire irritating and toxic gases may be evolved during thermal decomposition and combustion. Decomposition products can include carbon dioxide, carbon monoxide, trace formaldehyde and other products of decomposition.
Protective equipment for fire-fighters	: Full emergency equipment with self contained breathing apparatus must be worn.
Further information:	: The trace formaldehyde generated can cause eye, nose and throat irritation, maximum exposure limit is 2ppm ref.H.S.E. document EH40/91.
6. Accidental release measures	
Personal precautions	:)
Environmental precautions	:) Not applicable as this is a pre-formed fabric type
Methods for cleaning up	:) material not a chemical.
Further information	:)
7. Handling and storage	
Handling :	Abrasive material, therefore hand protection recommended
Protection against fire and explosion :	Normal safety measures for fire; i.e. keep away from heat sources and naked flames as the product is combustible. No explosion risk.
Storage :	Clean/dry environment.
8. Exposure controls and personal protection <u>N.B. When in end use</u>	
Technical protective measure	: None necessary, other than those below.
Exposure control limits	: Aluminium Oxide 8 hr TWA : Total inhalable dust 10mg/m ³ Alumino silicate 8 hr TWA : Total inhalable dust 10mg/m ³ 8 hr TWA : Respirable dust 5mg/m ³
Personal protective equipment	: General coveralls only. Specialist clothing not necessary.
Respiratory protection	: Yes - must be adequate to combat nuisance dust.
Hand protection	: Yes - must be adequate to protect hand against abrasion.
Eye protection:	Yes - well fitting goggles to combat dust ingress.
Skin protection	: No other special measures.
General safety and hygiene measures :	Observe recommended running speeds. Ventilate work area for nuisance dust. Food or drink should not be consumed in same area. <u>N.B.</u> if sensible precautions are taken in accordance with good work practices, these products should not be a threat to the workforce.