

SAFETY DATA SHEET

COMPANY: VISCOCEL, S.L.

1. PRODUCT DESIGNATION

Date of Issue: **04.01.00**
Updated: **25.11.05**

1.1 Trade-Name: FIBRANA VISCOCEL

1.2 Supplier/ Manufacturer: VISCOCEL, S.L.

2. COMPOSITION

Chemical designation and information on important components concerning operation safety: Regenerated Cellulose, $(C_6H_{10}O_5)_n$.

CAS-Number: 668442-85-3
EINECS-Number: 270-493-7
HCC-Number: 5504-1000

3. POSSIBLE DANGERS

Combustible (like cotton).

4. FIRST AID

In case of inhalation of smoke and burns, consult physician.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Agents:

- Suitable: Water, dry extinguishing agents. CO₂-foam.
- Unsuitable: Water, if fire has occurred as a result of electrical short-circuiting.

5.2 Special Dangers:

None.

6. MEASURES IF UNINTENTIONALLY RELEASED

Be aware of combustibility.

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7. STORAGE AND HANDLING

7.1 Handling:

Remove fibre fly, dust and decomposition products from the preparation by suction and aeration;
cleaning machinery, working areas and working clothes regularly;
keep away from flammable substances and ignition sources;
be aware of consequences of electrostatic charge;
caution while opening the bales; maintain a safe distance from the metallic wire.

7.2 Storage:

Do not store together with high oxidising materials.

8. EXPOSURE LIMIT/PERSONAL PROTECTIVE EQUIPMENT

8.1 Technical Measures:

Suction and aeration are recommended.

8.2 Parameters be Monitored:

None.

8.3 Personal Protective Equipment:

Breathing protection: Not required.

Hand protection: In case of abnormal sensitivity to allergies, lasting skin contact should be avoided.

Eye protection: In case of sensitivity to fibre fly and when opening the metal bands of bales, safety goggles are recommended.

Body protection: During bale transport safety footwear is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Condition:

- Form: Staple fibre.
- Colour: Natural white or dyed.
- Smell: Practically odourless.

9.2 Melting Point: Non-melting and non-softening.

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9.3 Boiling Point:	Not volatile.
9.4 Thermal Decomposition:	> 175 °C.
9.5 Flash Point:	n.a.
9.6 Ignition Temperature:	460 °C (acc. to DIN 51794)
9.7 Flammability Limits:	n.a.
9.8 Vapour Pressure:	n.a.
9.9 Density:	1,5 (20 °C)
9.10 Solubility:	Insoluble in water and the common organic solvents.

10. STABILITY AND REACTIVITY

10.1 Stability:

Like cotton;
practically no ageing;
stable at 115 °C up to one hour;
turns pale yellow at higher temperatures, exposure for a long time reduces tenacity;
long lasting intensive irradiation also causes little discoloration and decrease of tenacity.

10.2 Substances to be avoided:

8 - 10 % NaOH attacks the fibres at room temperature;
hot diluted and cold concentrated acids dissolve the fibres.

10.3 Decomposition Products:

Depending on temperature and supply of air: carbon monoxide, carbon dioxide and partly organic decomposition products.

11. TOXICOLOGICAL INFORMATION

The fibre is non-toxic; it may contain up to 1 % of fibre preparation. No damage to health is known to have occurred to date as a result of using this fibre product in accordance with the appropriate regulations.

12. ECOLOGICAL INFORMATION

Ecologically safe; biodegradable.

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13. INFORMATION ON DISPOSAL

Waste can be disposed of by dumping in accordance with local government regulations or by burning in suitable incinerators.

14. TRANSPORT DETAILS

Not a hazardous substance.

15. INFORMATION (REGULATIONS) EEC REGULATIONS

Not a hazardous substance, no identification marking required.

16. OTHER INFORMATION:

The fibre may contain up to 1 % of finish bath, which - if necessary - may be removed in aqueous medium.

Specifications provided by the fibre manufacturer with respect of processing and Application must be observed in case of use any special purposes it is advisable to inquire about possible additional specifications.

Date of issue: 12.01.00

The specifications of this data sheet are based - as far as format and order of the data are concerned - on the Council Directive 91/155 EEC. The data sheet is designed to provide essential physical, safety, toxicological and ecological data and recommendations to the handling for known textiles and technical uses, storage and transportation. It is hoped that by providing industrial users of fibres with relevant information, both human life and the environment will be protected. This data sheet is not intended for private end-users of the product.

The information contained herein corresponds with the supplier's level of knowledge at the time of issue. It does not constitute any contractual guarantee in respect of the product properties.