



Factor II, Incorporated

The Art, Science and Technology of
Silicones and Prosthetics...

Safety Data Sheet

Flocking

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Factor II Inc. encourages the end user to read this document entirely and understand all sections of this SDS sheet prior to use. There is important information regarding this product. The end user is expected to follow all precautions outlined in this SDS.

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product Name : Flocking

Product Code : H-100's

Intended Use(s): For professional use only

CONTACT INFORMATION FOR SUPPLIER OF SAFETY DATA SHEET

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SECTION 2: HAZARD(S) IDENTIFICATION

This material is not hazardous as defined by the Occupational Safety and Health Administration's Hazard Communication Standard (29 CFR 1910.1200).

SARA Hazard Classification: N/A

Hazard Categories under criteria of SARA Title III rules (40 CFR Part 370): Not applicable

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name and Synonyms: Regenerated Cellulose, Rayon

Material	Case NO.	%
Viscose Rayon	68442-85-3	87-90%
Titanium Dioxide	13463-67-7	<1%
Carbon Black	1333-86-4	2-3%
Water, absorbed	7732-18-5	9-10%



This fiber may have been produced with carbon black and/or titanium dioxide. These compounds, as present in this material, are not water soluble and are encapsulated in the polymer. They are not extracted or released in normal processing and handling. Therefore, these compounds are not expected to present a hazard in normal handling, processing, use and disposal.

SECTION 4: FIRST-AID MEASURES

Eye Contact:	Treat as nuisance dust hazard. Flush eyes with water for 15 minutes. If irritation persists, obtain medical attention.
Skin Contact:	Treat as nuisance dust hazard. Flush contaminated skin with soap and water. If irritation persists, obtain medical attention.
Inhalation:	Remove to fresh air. Other measures are usually unnecessary. If irritation persists, obtain medical attention.
Ingestion:	No special precautions necessary.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:	None, but will burn
Autoignition Temperature:	~400°C (750°F)
Flammable Limits (% by volume):	LEL: N/A UEL: N/A
Extinguishing Media:	Water spray, dry chemical, foam, carbon dioxide or halon.

Unusual Fire and Explosion Hazards:

Fiber/air mixtures may be explosive within certain concentration limits and sufficiently high ignition energies. Minimize airborne fiber concentrations with aggressive housekeeping procedures and effective ventilation, especially in areas of potential stray fiber movement.

Fire and Explosion Preventative Measures:

- Minimize the escape of fiber from process equipment or ventilation systems.
- Use dust collection systems and filters.
- Provide access to hidden areas to permit regular inspection and cleaning.
- Clean fiber residues in all areas at regular intervals.
- Use cleaning methods that minimize airborne fiber, especially if potential ignition sources are present.
- Use appropriate electrical equipment and wiring methods.
- Control static electricity, including proper grounding equipment.
- Control smoking, open flames, and sparks.
- Separate heated surfaces and systems from fiber residue.

Firefighters and others who may be exposed to products of combustion should wear full protective equipment including self-contained breathing apparatus. Firefighting equipment should be thoroughly decontaminated after use.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled:

Reclaim for processing if possible.

Waste disposal method:

Material is not a "hazardous waste" as defined in 40 CFR 261: therefore, disposal is permitted by landfill or by incineration. Comply with local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

Avoid extreme conditions of heat and humidity. Avoid dust accumulation. Store boxes and bales in accordance with good materials handling practices.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Eye Protection:	None normally required. However, good safety and industrial hygiene practices should be followed.
Skin Protection:	None normally required. However, good safety and industrial hygiene practices should be followed.
Respiratory Protection:	Avoid breathing dust. Use NIOSH/MSHA approved equipment when airborne exposure is excessive. Respiratory protection must comply with 29 CFR 1910.134.
Ventilation:	Local and general exhaust ventilation should be used as needed to prevent irritation and avoid dust accumulation.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point:	N/A	Specific Gravity (H ₂ O=1):	1.48-1.54 @ 20/20°C
Vapor Pressure:	N/A	Color:	Clear, white or black
Melting Point:	Chars	Decomposition Temp:	175-205 °C (350-400 °F)

Solubility: not soluble in most solvents, including water, alcohol, xylene, benzene, acetone.
Soluble in cuprammonium hydroxide solution.

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: avoid packing or storage at temperatures above 80°C (176°F)

Hazardous Polymerization: Will not occur.



SECTION 11: TOXICOLOGICAL INFORMATION

Signs and Symptoms of exposure:

No significant health effects have been reported in the processing and use of rayon fibers. Mechanical irritation effects from dust exposure are possible at ambient temperature.

Primary Routes of Exposure:

Polyethylene Terephthalate

Skin Contact

TWA Inhalation

Exposure Limits:

OSHA PEL: None established

ACGIH TLV(1986-87):None established

SECTION 12: ECOLOGICAL INFORMATION

This fiber is biodegradable.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Material is not a "hazardous waste" as defined in 40 CFR 261; therefore, disposal is permitted by landfill or by incineration. Comply with local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Label: N/A

DOT Hazard Class/ID No.: N/A

U.S. Surface Freight Classification: Fiber, Synthetic Staple

Transportation:

DOT: Not Regulated

IMDG: Not Regulated

IATA: Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA Status:

All components of this product are listed on the TSCA Inventory.

SARA Title III, Sections 311, 312, 313:

Reactive Hazard: No

Pressure Hazard: No

Fire Hazard: No

Acute/Immediate: No

Chronic Delayed: No



This product does not contain any toxic chemicals listed under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

CERCLA Reportable Quantity:

Not Applicable

This product is not a Hazardous Chemical as regulated under OSHA Hazard Communication Standard 29 CFR 1910.1200.

This product is not regulated in accordance with EC-directives or respective national laws.

Canadian WHMIS Classification:

Not Regulated

SECTION 16: OTHER INFORMATION

DISCLAIMER / STATEMENT OF LIABILITY:

This is to certify that the above designated material has been tested and did comply with the listed specifications (with listed exceptions) when supplied in original container. The material is subject to the conditions listed on the invoice. The above is a copy of information on file. The lot acceptance data are available for examination. This is a computer-generated document that is valid without a signature. The information above is supplied in good faith and, to the best of our knowledge, is based on available sources believed to be reliable and accurate. This document and any information provided herein are for your guidance only. The use by the requestor is beyond Factor II control; therefore, the responsibility for appropriate and safe use of the above information lies with the End user. Factor II shall not be responsible for any misuse and/or misapplication of the information in this document. Factor II will guarantee this product 6-months from the ship date, some restrictions apply.

Factor II, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and/or fire prevention as necessary or appropriate to the use and understanding of the data contained in this SDS. To promote safe handling each customer or recipient should 1) notify and furnish its employees, agents, contractors, customers and/or others whom it knows or believes will use this material of the information regarding hazards or safety, and 2) request its customers to notify their employees, customers, and other users of the product of this information.