

**MATERIAL SAFETY DATA SHEET FOR:
ALGICELL AG CALCIUM ALGINATE DRESSING
WITH ANTI MICROBIAL SILVER**

SECTION 1- PRODUCT IDENTIFICATION

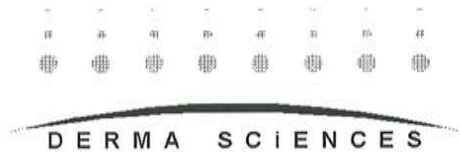
Product Name	ALGICELL AG CALCIUM ALGINATE DRESSING WITH ANTI MICROBIAL SILVER
Use/Size	Wound Dressings, ¾" x 12", 2" x 2", 4.25" x 4.25", 4" x 5", 4" x 8", 8" x 12"
Product Numbers	88512 (¾" x 12") 88522 (2" x 2") 88544 (4.25" x 4.25") 88545 (4" x 5") 88548 (4" x 8") 88582 (8" x 12")
Manufacturer/Supplier Address	Derma Sciences, Inc. 104 Shorting Road Toronto, Ontario M1S 3S4, Canada
Phone Number	416-299-4003

SECTION 2- COMPOSITION

Description:	A white or brown fabric / textile sliver comprising the mixed silver/calcium salt of alginic acid (contains approx 0.5 -2.0% silver) Approximately 0.5% of a textile finish is applied (Polysorbate 20, BP)
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SECTION 3- HEALTH HAZARD DATA

Hazard Identification	Processing of any fiber can lead to fly/dust formation. The dust from this product should be considered as potentially hazardous.
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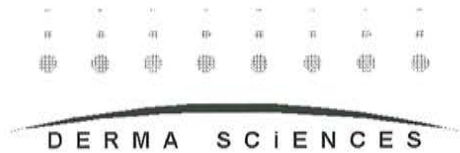


SECTION 4- FIRST AID MEASURES

Symptoms and effects	Short-term exposure to high levels of fly/dust may lead to irritation of the respiratory system and skin, and possibly to difficulty in breathing. Long-term exposure may lead to any of the above, and has the additional potential for discoloration of the skin and eyes (Argyria).
First Aid	
Inhalation	Remove affected person to fresh air and seek medical attention.
Skin Contact	Remove contaminated clothing, shoes and jewellery. Wash skin with soap and water; seek medical attention if needed.
Eye Contact	Flush eyes with plenty of eyewash solution or clean water, holding eyelids. Seek immediate medical attention.
Ingestion	Seek immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.
Advice to Physicians	No specific antidote. Symptomatic and supportive treatment as indicated. Some individuals e.g. with asthma, may be intolerant to high concentrations of fibre fly/dust in the air.

SECTION 5- FIRE FIGHTING MEASURES

General Information	Burns, if brought into contact with flames or excessive heat, similar to wood. Chars readily on heating above 300°C.
Fire Fighting Advice	Do not scatter spilled material with high-pressure water streams. Dike fire fighting run-off water for later disposal.
Suitable Extinguishing Media	Water, foam, powder, carbon dioxide. Note that the product will absorb water and swell.
Extinguishing media to be avoided	None



SECTION 5- FIRE FIGHTING MEASURES

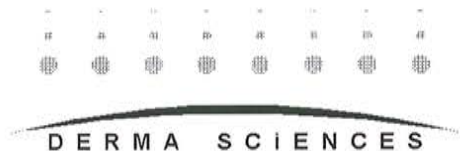
Hazardous Combustion Product	When heated to decomposition emits fumes, mainly carbon monoxide and carbon dioxide, which should be not be inhaled.
Special Protective Equipment for Fire-Fighting	Firefighters should wear fire resistant personal protective equipment and self-contained breathing apparatus.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal Precautions	Good hygiene practices are necessary in dealing with spilt fiber.
Environmental Precautions	Keep material out of water supplies and sewers.
Clean-Up Methods	Recover small quantities of spilt material by hand.

SECTION 7- HANDLING AND STORAGE

Self Handling Device	Fiber can be supplied in any of the following formats: Boxes of fabric cut pieces, weight typically 2-4 kg. Bags of textile sliver, weight typically 3-5 kg. Bags and boxes of materials are generally secured with tape.
Fiber fly/dust from processing	Fiber products generate airborne fiber and dust particles when processed. Regular cleaning of processing equipment is recommended in order to avoid accumulations of fiber fly/dust.
Storage	If the material is to be stored is to be stored for any duration, additional secondary packaging might be required to protect it from accidental damage. Keep covered in non-clear packaging to avoid long term exposure to light



SECTION 8- EXPOSURE CONTROLS/PERSONAL PROTECTION

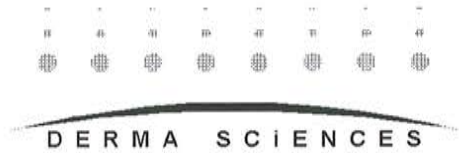
Engineering Control Measures	In common with other fibres, exposure to dust/fly resulting from processing should be controlled. Ensure good ventilation of the working area. In critical areas, extraction systems should be fitted. Cleaning should wherever possible be done using a vacuum.
Respiratory Protection	Wear suitable respiratory protection if processing generates dust/fly.
Hand Protection	Wear gloves when handling of the fibre.
Eye Protection	None usually required for handling of the fibre. However subsequent processing stages may require the use of eye protection

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Non-woven fabric or textile sliver (filamentous solid).
Color	White to brown.
Odor	Odorless
Boiling Range/Point (°C/F)	Not Applicable
Melting Point (°C/F)	Fibre / fabric will decompose when in contact with flames.
Flash Point (PMCC)(°C/F)	Not relevant
Auto-ignition temperature	Not relevant
Explosive properties	Not relevant
Oxidising properties	Not Applicable
Vapor Pressure	Not Applicable
Density	2.1 g/cm ³
Solubility in Water	The fibre is insoluble.
Vapor Density (Air=1)	Not applicable
Viscosity (cSt)	Not applicable

SECTION 10- STABILITY AND REACTIVITY

Conditions to Avoid	Stable under normal conditions of use. Note that the fibre will gel in contact with solutions of sodium salts.
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SECTION 10- STABILITY AND REACTIVITY

Materials to avoid	None known.
Hazardous Decomposition Products	None known

SECTION 11- DISPOSAL

Product	Dispose of according to relevant national regulations on waste disposal.
Used Packaging	Clean packaging can be recycled.

Prepared By: Derma Sciences Quality Assurance Department on April 16, 2007

*Reference: Material Safety Data Sheet- Silver Calcium Alginate Fabric/Textile Sliver
Speciality Fibers and Materials Ltd.*