

**MATERIAL SAFETY DATA SHEET**  
**CELLULOSE PRODUCTS**

**SECTION I - PRODUCT IDENTIFICATION**

**MANUFACTURER**

**Viskase Companies, Inc.**

Locations	Osceola, AR	Loudon, TN	Escobedo, MX
Phones	501-563-3541	615-458-2071	52-81-13670900
Locations	Beauvais, FRA	Thaon, FRA	Clark Freeport Zone, PHL
Phones	33-44-06-3700	33-29-68-3355	6345 4993881
CHEMICAL NAME	Regenerated Cellulosic Film, and Casing		
SYNONYMS	Cellulose, Fibrous, Dialysis Tubing		
TRADE NAME	NOJAX <sup>®</sup> , SHIRMATIC <sup>®</sup> , Fibrous, MP <sup>®</sup> , MEMBRA-CEL <sup>®</sup> , SEPPRA-CEL <sup>®</sup> SC, SEPPRA-CEL <sup>®</sup> SF		

**SECTION II - HAZARDOUS COMPONENTS**

None under normal conditions of use

**SECTION III - PHYSICAL DATA**

APPEARANCE AND ODOR	Opaque solid, various colors, no odor
MELTING POINT / BOILING POINT	Not applicable
SPECIFIC GRAVITY / VAPOR DENSITY	Not applicable
PERCENT VOLATILE / VAPOR PRESSURE	Not applicable
SOLUBILITY IN WATER	Not soluble
EVAPORATION RATE	Not applicable
DENSITY	0.025-0.05 grams/square inch

**SECTION IV - FIRE AND EXPLOSION HAZARD**

FLASH POINT >400°F	
EXTINGUISHING MEDIA	Water Spray, A.B.C. Powder, CO <sub>2</sub> , Foam
SPECIAL FIREFIGHTING PROCEDURES	Wear self-contained breathing device with gas mask approved for mild acid vapor.
UNUSUAL FIRE OR EXPLOSION HAZARD	Casing is <u>NOT</u> an explosion hazard
DECOMPOSITION PRODUCTS	Complete combustion will produce Carbon Dioxide and water. Under fire conditions (incomplete combustion) carbon monoxide may be produced.

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**SECTION V - HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE (TLV)	None established
EFFECTS OF OVEREXPOSURE	None expected under normal conditions
EMERGENCY AND FIRST AID	

**SECTION VI - REACTIVITY DATA**

HAZARDOUS POLYMERIZATION	Will not occur
STABILITY	Stable under normal conditions
DECOMPOSITION PRODUCTS	Not chemically reactive
INCOMPATIBILITY	Not chemically reactive

**SECTION VII - SPILL/LEAK AND DISPOSAL PROCEDURES**

SPILL/LEAK	Not applicable
DISPOSAL	Approved landfill or modern high temperature incineration in accordance with Federal, State, and local regulations

**SECTION VIII - PROTECTIVE EQUIPMENT USED**

RESPIRATORY PROTECTION	Not required in normal use. See fire hazards.
VENTILATION	Not chemically reactive, thus local exhaust and circulating air adequate.
PROTECTIVE GLOVES	Not required
EYE PROTECTION	Not required

**SECTION IX - SPECIAL PRECAUTIONS**

STORAGE	Store in shipping cartons as provided. Keep away from hot areas / open flames.
HANDLING	No special handling required

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**PROVIDED FOR:**  
Ms. Kiley Maanum  
Tyson Foods  
400 S. Jefferson St.  
Chicago, IL 60607  
[kiley.maanum@tyson.com](mailto:kiley.maanum@tyson.com)

**CONTACT: Dr. Myron D. Nicholson**  
VP, Technology & Regulatory Affairs  
Viskase Companies, Inc.  
8205 S. Cass Ave., Suite 115,  
Darien, IL 60561  
Phone: 630-874-0749  
Fax: 630-874-0178

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