

MATERIAL SAFETY DATA SHEET

MilliCare™ Fiber Protector

According to 2001/58/EC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: MilliCare™ Fiber Protector
CAS Number: Blend

Company Identification

Sylvan Chemical Co., Inc.
La Grange, Georgia 30240 USA
1-888-886-2273 (For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

PRODUCT USE:

Cleaner.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number	EU Annex 1
CARBOXYLATED POLYMER SALT	5.0 - 15.0 %	N/A	Not Listed
POLYMETHYL METHACRYLATE	1.0 - 5.0 %	9011-14-7	Not Listed
POLYPERFLUOROURETHANE	0.5 - 2.0 %		Not Listed
CITRIC ACID	2.0 - 4.0 %	77-92-9	Not Listed
WATER	70.0 - 90.0 %	7732-18-5	Not Listed
ANIONIC SURFACTANT	0.0 - 3.0 %		Not Listed

EMERGENCY OVERVIEW:

May cause skin, eye, or respiratory tract irritation.

HFRP Rating:

Health - 1
Flammability - 0
Reactivity - 0
Personal Protection Index - B

NFPA/HFRP Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or an internally derived Milliken system (for HFRP ratings).

EYE:

Contact may cause eye irritation. Discomfort and blurring of vision may occur.

SKIN:

May cause skin irritation with discomfort or rash.

INHALATION:



Overexposure to mist or spray may cause irritation of respiratory tract. Inhalation of high concentrations of vapor may be harmful. May cause irritation of the upper respiratory passages. Irritating vapors may be formed when processed at high temperatures.

INGESTION:

Ingestion is not considered a potential route of exposure. Ingestion can cause irritation of the mouth, throat, and esophagus.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

May cause skin, eye, or respiratory tract irritation.

HFRP Rating:

Health - 1
Flammability - 0
Reactivity - 0
Personal Protection Index - B

NFPA/HFRP Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or an internally derived Milliken system (for HFRP ratings).

EYE:

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SKIN:

May cause skin irritation with discomfort or rash.

INHALATION:

Overexposure to mist or spray may cause irritation of respiratory tract. Inhalation of high concentrations of vapor may be harmful. May cause irritation of the upper respiratory passages. Irritating vapors may be formed when processed at high temperatures.

INGESTION:

Ingestion is not considered a potential route of exposure. Ingestion can cause irritation of the mouth, throat, and esophagus.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Contact a physician.

SKIN CONTACT FIRST AID:

Immediately flush skin with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air and provide oxygen. If not breathing, give artificial respiration. Contact a physician.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Contact a physician. Do not induce vomiting. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: > 93.3 C (> 199.9 F)

Autoignition Temperature: N/A



FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder.

FIRE & EXPLOSION HAZARDS:

Heating above 200 deg C or in fire conditions toxic decomposition products may be formed. May cause severe eye, nose, throat, and lung irritaion.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-emergency personnel to a safe area.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure. Wear appropriate personal protective equipment. Avoid breathing vapor.

SPILL PROCEDURE:

Isolate Hazard Area. Contain spilled material. Large spillage should be dammed-off and pumped into containers. Clean up remainder by absorbent material. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid prolonged contact with skin or eyes. When sampling containers use appropriate personal protective equipment. Avoid circumstances that produce respirable particles.

HANDLING (PHYSICAL ASPECTS):

Keep from freezing. Avoid temperatures above 200 deg C. Provide appropriate ventilation.

STORAGE PRECAUTIONS:

Keep container tightly closed.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

Keep container tightly closed. Use only with adequate ventilation.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, chemical goggles are recommended.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

EXPOSURE GUIDELINES:

POLYMETHYL METHACRYLATE

Recommended Exposure Limit: 5 mg/m³



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Light Amber
ODOR:	Aromatic Odor
BOILING POINT:	100 C
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.03 (Water = 1)
MELTING/FREEZING POINT:	0 C
PH:	3.5 - 5
% VOLATILES:	70 %
VOLATILE ORGANIC COMPOUNDS (VOC):	None

10. STABILITY AND REACTIVITY

STABILITY:

This product is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Incompatible with mineral acids.

DECOMPOSITION:

Avoid temperatures above 200 deg C. Toxic decomposition products may be formed.

11. TOXICOLOGICAL INFORMATION

POLYMETHYL METHACRYLATE

Test Code: Acute Oral Toxicity

Description: LD50

Species: rats

Results: >2000 mg/kg

Test Code: Inhalation Toxicity

Description: 4 hr.

Species: rats

Results: >2 mg/L

Polyperfluorourethane

Test Code: Oral LD50

Description: oral LD-50

Species: rat

Results: 2480 mg./kg

CITRIC ACID

Test Code: Acute Oral Toxicity

Description: LD50

Species: rats

Results: 11700 mg/kg

12. ECOLOGICAL INFORMATION



CITRIC ACID

Test Code: 96-Hour Acute Aquatic Toxicity
Description: 100 hr
Species: GOLDFISH
Results: >625 mg/kg

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	MilliCare™ Fiber Protector
D.O.T. SHIPPING NAME:	Not Regulated
D.O.T. HAZARD CLASS:	Not Regulated

15. REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

WHMIS Hazard Symbols:

None

Canadian Disclosure List

CITRIC ACID (77-92-9)

EEC Symbols and Indications of Danger:

None

R-Phrases:

None

S-Phrases:

None

16. OTHER INFORMATION

PREPARED BY:	Steven Brown
APPROVED BY:	John Bruhnke
TITLE:	Regulatory Specialist
APPROVAL DATE:	February 16, 2004
SUPERCEDES DATE:	September 2, 2003
MSDS NUMBER:	827651

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END OF MSDS

