
SECTION I – PRODUCTION IDENTIFICATION

LENZING FR® RAYON PRODUCTS

MANUFACTURER:

NEWTEX INDUSTRIES, INC.
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(585) 924-9135

Date: 02/08/13

Prepared by: Newtex Quality Department

SECTION II - INGREDIENTS

The above products are considered "articles" according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and, as such, are exempt from the Material Safety Data Sheet provisions of 29 CFR 1910.1200(G)(6). As a service to the customer, Newtex Industries Inc. has prepared this Material Safety Data Sheet to provide appropriate safety and handling information. These products are considered non-hazardous when used according to accepted practices for the intended use.

<u>COMMON NAME:</u>	<u>CHEMICAL NAME:</u>	<u>CAS No.</u>	<u>WT.%</u>
FR Rayon	Regenerated cellulose incorporating a flame retardant containing phosphorus and sulphur	68442-85-3	100%

SECTION III - HAZARD IDENTIFICATION

Emergency Overview

No unusual conditions are expected from this product.
The hazards of this product are associated mainly with its
processing.

PRIMARY ROUTES OF ENTRY:

Inhalation: Processing FR Rayon products can release respirable dust and fiber particulate.

Skin: Short contact with human skin is not likely to produce skin irritation. Continual rubbing of fiber particulates and dust on the skin can cause a transitory, mild



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Eyes: irritation with redness or itching.
High concentrations of dust may cause a physical irritation to the eye.
Ingestion: Although not likely to occur in industrial applications, accidental ingestion may cause irritation of the mouth and gastrointestinal tract.

CHRONIC HEALTH EFFECTS:

There are no known chronic health effects associated with long term use or contact with this product.

CARCINOGENICITY:

This product is not known as a carcinogen.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

Respiratory or skin conditions that are aggravated by mechanical irritants may be at an increased risk for worsening from exposure to this product.

SECTION IV – FIRST AID

INHALATION: In case of smoke inhalation or burns, seek medical attention.
SKIN: Wash any material off skin with mild soap and cool water. Do not rub or scratch irritated areas. This may force fibers into the skin. Seek medical attention if irritation persists.
EYES: Flush with water for at least 15 minutes. Seek medical attention if irritation persists.
INGESTION: Not expected to occur. Should ingestion take place, the person should be watched for several days to ensure intestinal blockage does not occur.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A
FLAMMABLE LIMIT: LEL: N/A UEL: N/A
AUTO IGNITION TEMPERATURE: N/A
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: None
EXTINGUISHING MEDIA: Water, CO₂, dry chemical or foam.
SPECIAL FIRE FIGHTING PROCEDURES: In a sustained fire, proper protection against products of combustion must be worn. Use self-contained breathing apparatus (SCBA) and full bunker turnout gear in a sustained fire.
HAZARDOUS COMBUSTION PRODUCTS: In a sustained fire, the yarn will decompose, releasing minor quantities of decomposition



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products believed to be insufficient to be harmful.

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- Land Spill: Material is a solid. Pick up the larger pieces and wet sweep or vacuum up any scrapes. Place in a suitable container for disposal as a non-hazardous waste.
- Water Spill: This material will sink and disperse along the bottom of waterways and ponds. Large pieces should be removed and placed in a suitable container for disposal. Smaller pieces cannot be easily removed after it is waterborne; however, the material is non-hazardous in water.
- Air Release: The material will settle out of the air where it can be cleaned as a land spill.

SECTION VII – HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING:

For maximum comfort, avoid excessive contact with skin and use good personal hygiene. Avoid dust formation. Exposure to fiber fly, dust and decomposition products of spin-finishes should be avoided by ventilation and/or vacuum cleaning.

OTHER PRECAUTIONS:

If excessive dust is generated, use a respirator approved by NIOSH for dust. This material is not an electrical conductor and may accumulate static charge.

STORAGE TEMPERATURE:

N/A

STORAGE PRESSURE:

N/A

SECTION VIII – EXPOSURE CONTROL/ PERSONAL PROTECTION

EXPOSURE LIMITS:

<u>COMMON NAME:</u>	<u>LD-50</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
FR Rayon	>2,000 mg/kg	None Established	None Established

LD-50 = Lethal Dose, 50%

ACGIH = American Conference of Governmental Industrial Hygienists

TLV = Threshold Limit Value

OSHA = Occupational Safety and Health Administration

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PEL = Permissible Exposure Limits

VENTILATION:

Use local exhaust or general room dilution to maintain employee exposures below occupational exposure limits. Recirculated air should be filtered to remove respirable dust.

RESPIRATORY PROTECTION:

If the use or manufacturing of this product generates dust concentrations above the exposure limit, appropriate certified respirators must be used.

PROTECTIVE GLOVES: Industrial work gloves suggested.

EYE PROTECTION:

As generally good practice, safety glasses with side shields should be worn.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None required. Good personal hygiene, barrier creams, caps, coveralls, loose fitting long sleeve shirt that covers to the base of the neck and long pants will maximize comfort. Skin irritation is known to occur chiefly at pressure points such as around the neck, wrist, waist, and between fingers.

WORK HYGIENIC PRACTICES: Handle using good industrial hygiene and safety practices. Wash thoroughly with mild soap and cool water after handling of the material. Keep the work area clean of dusts and fibers released during processing or fabrication. Use vacuum equipment to clean up product. Avoid dry sweeping or using compressed air as these techniques re-suspend dusts and fibers into the air. Have access to a shower and eye wash station.

SECTION IX - PHYSICAL DATA

BOILING POINT:	Not Applicable
MELTING POINT:	Not Applicable
FREEZING POINT:	Not Applicable
SPECIFIC GRAVITY RANGE (H ₂ O=1):	1.5
pH:	Not Applicable
VISCOSITY:	Not Applicable
SOLUBILITY IN WATER:	Insoluble
PERCENT VOLATILE BY VOLUME:	None
VAPOR DENSITY (Air=1):	Not Applicable
VAPOR PRESSURE (mm Hg):	Not Applicable
EVAPORATION RATE (Butyl Acetate=1):	Not Applicable
PHYSICAL STATE:	Woven white fabric; odorless.

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APPEARANCE AND ODOR:

Woven fabric that can be dyed a wide range of colors; odorless.

SECTION X - REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: None known
INCOMPATIBILITY: Do not store with strong oxidizers
HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Hazardous thermal decomposition products include Carbon Monoxide and Carbon Dioxide.

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: No known effect
CHRONIC EXPOSURE: No known effect
IRRITATION: Non- irritant
SENSITIZATION: Not a sensitizer
CARCINOGENICITY: None of the components present in this material at concentrations equal to or greater than 0.1% is listed by IARC or ACGIH as a carcinogen.
MUTAGENICITY: Not available
EMBRYOTOXICITY: Not available
TERATOGENICITY: Not available

SECTION XII - ECOLOGICAL INFORMATION

Lenzing FR Rayon - This product has no known eco-toxicological effects. It is considered to be a biodegradable fiber.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Can be land filled or incinerated in compliance with federal, state, provincial and local environmental control regulations. Dispose of as any other innocuous material. Product is not a hazardous waste under RCRA 40 CFR 261.

SECTION XIV - TRANSPORTATION INFORMATION

DOT SHIPPING NAMES: Not regulated



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HAZARD CLASS OR DIVISION:	None
SECONDARY:	None
IDENTIFICATION NUMBER:	None
PACKING GROUP:	None
LABEL(S) REQUIRED (if not excepted):	None
SPECIAL PROVISIONS:	None
PACKAGE EXCEPTIONS:	None
NON-BULK PACKAGING:	None
BULK PACKAGING:	None
EPA HAZARDOUS SUBSTANCES:	None
REPORTABLE QUANTITY:	Not Applicable
QUANTITY LIMITATIONS:	
PASSENGER AIRCRAFT:	None
CARGO AIRCRAFT:	None
MARINE POLLUTANTS:	None
FREIGHT DESCRIPTION:	None
HAZARDOUS MATERIAL SHIPPING DESCRIPTION:	None

TRANSPORTATION OF DANGEROUS GOODS – CANADA

DOT SHIPPING NAMES:	Not regulated
TDG HAZARD CLASSIFICATION	
PRIMARY:	None
SECONDARY:	None
IMO CLASSIFICATION:	None
ICAO/IATA CLASSIFICATION:	None
PRODUCT IDENTIFICATION NUMBER:	None
PACKING GROUP:	None
CONTROL TEMPERATURE:	None
EMERGENCY TEMPERATURE:	None
SCHEDULE XII QUANTITY RESTRICTIONS:	None
REPORTABLE QUANTITY FOR US SHIPMENTS:	None
IATA PACKAGING INSTRUCTIONS	
PASSENGER/CARGO:	None
CARGO ONLY:	None
LIMITED QUANTITY:	None
MAXIMUM NET QUANTITY PER PACKAGE	
PASSENGER/CARGO:	None
CARGO ONLY:	None
LIMITED QUANTITY:	None
SPECIAL PROVISIONS:	None

SECTION XV - REGULATORY INFORMATION

FR RAYON PRODUCTS are considered articles, therefore are exempt from the following requirements:

USA:	TSCA – Toxic Substances Control Act
EUROPE:	EINECS – European Inventory of Existing Commercial Chemical Substances
CANADA:	DSL – Domestic Substance List
AUSTRALIA:	AICS – Australian Inventory of Chemical Substances
KOREA:	ECL (KECI) – Korean Existing Chemical Inventory
JAPAN:	MITI (ENCS) – Existing and New Chemical Substances
PHILIPPINES:	PICCS – Philippines Inventory of Chemicals and Chemical Substances

SARA TITLE III Reportable Ingredients: None

SECTION XVI – OTHER INFORMATION

The information herein is given in good faith, but no warranty, expressed or implied is made and we assume no liability from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.

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