



INDUSTRIES 3R

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION

### IDENTITY:

Part Number:

**3R1135**

Identity:

Combo nylon fabric

Description:

Fiber article

### SUPPLIER :

**Industries 3R Inc.**

55, route 116 Ouest

Danville (Québec) J0A 1A0

Tel: 819-839-2793

Fax: 819-839-2797

## SECTION 2. HAZARDS IDENTIFICATION

OSHA/HCS status :

While this material is not considered hazardous by the OSHA hazard communication standard (29 CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture :

Not Classified

### GHS Label elements

Signal word :

No signal word

Hazard statement :

No known significant effects or critical hazards

### Precautionary statements

General :

Read label before use. Keep out of reach of children. If medical advice is needed have product container or label at hand.

Prevention :

N/A

Response :

N/A

Storage :

N/A

Disposal :

N/A

Hazards not classified :

No additional information

## SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance/mixture :

Mixture

Chemical name :

Polyamide solid

Other means of identification

Fiber Article

### CAS number/other identifiers

CAS number

N/A

Product code

Polymer

INGREDIENT NAME	%	CAS NUMBER
Poly[imino(1.6-dioxo-1.6-hexanediyl)imino-1.6-hexanediyl]	99 - 100	32131-17-2

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in section 8.

<b><u>SECTION 4. FIRST AID MEASURES</u></b>	
<i>Description of necessary first aid measures</i>	
Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
<b><u>Most important symptoms/effects, acute and delayed</u></b>	
<b>Potential acute health effects</b>	
Eye contact	No known significant effects or critical hazards
Inhalation	Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
Skin contact	No known significant effects or critical hazards
Ingestion	No known significant effects or critical hazards
<b>Over-exposure signs/symptoms</b>	
Eye contact	No specific data
Inhalation	No specific data
Skin contact	No specific data
Ingestion	No specific data
<b>Indication of immediate medical attention and special treatment needed, if necessary</b>	
Notes to physician	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	No specific treatment.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.
<b>See toxicological information ( Section 11 )</b>	
<b><u>SECTION 5. FIRE FIGHTING MEASURES</u></b>	
<b>Extinguishing media</b>	
Suitable extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
unsuitable extinguishing media	None known
Specific hazards arising from the chemical	No specific fire or explosion hazard
Hazardous thermal decomposition products	Decomposition products may include the following materials: Carbon dioxide / carbon monoxide / nitrogen oxides / hydrogen cyanide / ammonia / aldehyde.

Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Material will be in fabric or roll form and should be handling using normal caution.
For emergency responders	: See also the information in "For non-emergency personnel".

Environmental precautions : Avoid disposal of fabric material as you would any waste or trash material. Avoid contamination of waterways or other surfaces.

Methods and materials for containment and cleaning up

Small spill	: Not applicable
Large spill	: Not applicable

**SECTION 7. HANDLING AND STORAGE**

Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: There are no occupational exposure concerns associated with this material. Materials are certified to OekoTEX standard 100 which means the fabric is "safe for baby skin contact". Normal precautions apply for handling of large rolls. Fabric can be abrasive to the skin due to friction if processed at high speeds..

Conditions for safe storage, including any incompatibilities

:  
**SITE LOADING AND UNLOADING**  
 All Cerex® nonwoven fabric rolls are delivered in a protective wrap. A forklift or front end loader fitted with a tapered pole is recommended for loading and unloading nonwoven rolls. The pole should be long enough to extend at least 2/3 of the way into the roll core to avoid the possibility of buckling or breaking the core. In some cases, nonwoven rolls may be packaged on pallets or in boxes. Good forklift handling practices apply to these palletized materials.

**SITE HANDLING**  
 Nonwoven rolls should be lifted off of the ground when moving. Dragging rolls is not recommended. Care should be exercised such that nonwovens be protected from all sources of contamination, including oil, grease, dirt, and water.

**ON-SITE STORAGE**  
 During storage at your facility, nonwoven rolls should be protected from moisture, direct sunlight, snow, and vandalism. Therefore, Cerex® product should always be stored indoors, under proper covering. It is preferred that the media be stored in a climate controlled environment where possible. The protective wrapping should not be removed until the nonwoven is ready to be staged in the processing area.

## **SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### Control parameters

#### Occupational exposure limits

None.

- Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne dust in the event the material is being cut, slit or abraded.
- Environmental exposure controls : Customer processing, laminating or other converting operations may create emissions while processing the fabric and may require proper ventilation or other emission control systems to ensure compliance with environmental regulations.

### Individual protection measures

- Hygiene measures : Although materials are certified under Oekotex standard 100 to be safe for skin contact, it is always advisable to wash hands, forearms and face thoroughly after handling any industrial products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location in the event of dusting or fiber-fly.
- Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to dusts or other processing exposures. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side- shields.

### Skin protection

- Hand protection : Leather gloves should be worn when handling material that has the potential to abrade your skin. Standard leather gloves will also help protect when handling packaging materials such as cardboard boxing and wooden pallets to avoid lacerations.
- Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection : Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment associated with your process indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

### Appearance

- Physical state : Solid.
- Color : White.
- Odor : Not available.
- Odor threshold : Not applicable.
- pH : Not applicable.
- Melting point : 257 to 267°C (494.6 to 512.6°F)
- Boiling point : Not available.
- Flash point : Not applicable.
- Burning time : Not available.
- Burning rate : Not available.
- Evaporation rate : Not applicable.
- Flammability (solid, gas) : Not available.
- Lower and upper explosive (flammable) limits : Not available.
- Vapor pressure : Not available.

Vapor density : Not available.  
 Relative density : Not available.  
 Solubility : Not available.  
 Solubility in water : Not available.  
 Partition coefficient: n-octanol/water : Not available.  
 Auto-ignition temperature : Not available.  
 Decomposition temperature : Not available.  
 SADT : Not available.  
 Viscosity : Not available.

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No specific test data related to reactivity available for this product or its ingredients.  
 Chemical stability : The product is stable.  
 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.  
 Conditions to avoid : No specific data.  
 Incompatible materials : No specific data.  
 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
None identified.				

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
None identified.					

Conclusion/Summary

Skin : No results available.  
 Eyes : No results available.  
 Respiratory : No results available.

Sensitization

Product/ingredient name	Route of exposure	Species	Result
None identified.			

Conclusion/Summary

Skin : No results available.  
 Respiratory : No results available.

Mutagenicity

Product/ingredient name	Test	Experiment	Result
None identified.			

Conclusion/Summary : No results available.

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
None identified.				

Conclusion/Summary : No results available.

Classification

Product/ingredient name	OSHA	IARC	NTP
None identified.			

Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
None identified.						

Conclusion/Summary : No results available.

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
None identified.				

Conclusion/Summary : No results available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
None identified.			

Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
None identified.			

Aspiration hazard

Name	Result
None identified.	

Information on the likely routes of exposure : Routes of entry anticipated: Dermal (*potential skin abrasion when processing*), Inhalation (*fiber dusting, or fumes when burned*).

Potential acute health effects

- Eye contact : No known significant effects or critical hazards.
- Inhalation : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Skin contact : No known significant effects or critical hazards.
- Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact : No specific data.
- Inhalation : No specific data.
- Skin contact : No specific data.
- Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure



Potential immediate effects : Heated material can cause thermal burns

Potential delayed effects : No results available.

Long term exposure

Potential immediate effects : No results available.

Potential delayed effects : No results available.

Potential chronic health effects

Product/ingredient name	Result	Species	Dose	Exposure
No results available.				

Conclusion/Summary : No known significant effects or critical hazards.

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
None identified.	

**SECTION 12. ECOLOGICAL INFORMATION**

Toxicity

Product/ingredient name	Result	Species	Exposure
None identified.			

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
None identified.				

Bioaccumulative potential

Not available.

Mobility in soil

Soil/water partition coefficient ( $K_{oc}$ ) : Not available.

Other adverse effects : No known significant effects or critical hazards.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its packaging must be disposed of in a safe way.

**SECTION 14. TRANSPORT INFORMATION**

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
Transport hazard class(es)	Not available.	Not available.	Not available.	Not available.	Not available.	Not available.
Packing group	-	-	-	-	-	-
Environmental hazards	No.	No.	No.	No.	No.	No.
Additional information	-	-	-	-	-	-
Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.					
Transport in bulk according to annex II of MARCPOL 73/78 and the IBC code.	Proper shipping name :		Ship type :		Pollution category :	
	Not regulated		Not applicable		Not applicable	

**SECTION 15. REGULATORY INFORMATION**

U.S. Federal regulations	: United States inventory (TSCA 8b): All components are listed or exempted.
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	: Not listed
Clean Air Act Section 602 Class I Substances	: Not listed
Clean Air Act Section 602 Class II Substances	: Not listed
DEA List I Chemicals (Precursor Chemicals)	: Not listed
DEA List II Chemicals (Essential Chemicals)	: Not listed
SARA 302/304 <u>Composition/information on ingredients</u>	No products were found.
SARA 304 RQ	: Not applicable.
SARA 311/312 Classification	: Not applicable.
<u>Composition/information on ingredients</u>	No products were found.



State regulations

- Massachusetts : None of the components are listed.
- New York : None of the components are listed.
- New Jersey : None of the components are listed.
- Pennsylvania : None of the components are listed.
- Canada inventory : All components are listed or exempted.

International regulations

- International lists : Australia inventory (AICS): All components are listed or exempted.  
China inventory (IECSC): All components are listed or exempted.  
Korea inventory: All components are listed or exempted.
- Chemical Weapons Convention List Schedule I Chemicals : Not listed
- Chemical Weapons Convention List Schedule II Chemicals : Not listed
- Chemical Weapons Convention List Schedule III Chemicals : Not listed

**SECTION 16. OTHER INFORMATION**

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARDS</b>	<b>0</b>

**Caution : HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.**

**The customer is responsible for determining the PPE code for this material.**

**National fire protection Association (U.S.A)**



**DISCLAIMER** – The information provided in this Safety Data Sheet is based on our current knowledge. While the information and recommendations set forth herein are believed to be accurate, Industries 3R takes no warranty with respect thereto and disclaims all liability in reliance thereon. We recommend testing according to local conditions. The specifications are subject to change without notice.