

## MATERIAL SAFETY DATA SHEET

**NON WOVEN NEEDLE PUNCHED POLYPROPYLENE FABRIC  
(EX SERIES)**

PAGE: 1  
DATE PREPARED: 06 Sept. 2007  
MSDS NO: EX-1

### SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

**PRODUCT NAME:** NON WOVEN NEEDLE PUNCHED POLYPROPYLENE FABRIC  
(EX SERIES)

**CHEMICAL NAME:**  
Polypropylene

**CHEMICAL FAMILY:**  
Blend of materials; primarily polypropylene

**PRODUCT DESCRIPTION:**  
Black material fabric blends.

**EMERGENCY TELEPHONE NUMBERS:**  
Thrace-LINQ, Inc. (843) 873-5800  
CHEMTREC (800) 424-9300

### SECTION 2 HAZARDOUS INGREDIENT INFORMATION

The following ingredients are listed as hazardous materials according to CFR1910.1200 (Hazardous Communication Standard-USA) and as controlled substances under WHMIS (Workplace Hazardous materials Information System-Canada)

PIGMENTS: NOT APPLICABLE  
VEHICLE: NOT APPLICABLE  
ADDITIVES: NOT APPLICABLE

**IMPORTANT NOTE:**

PIGMENTS, VEHICLES, AND ADDITIVES ARE FULLY ENCAPSULATED IN RESIN AND ARE NOT EXPECTED TO CAUSE ANY HAZARDOUS CONDITIONS WHEN PROCESSED IN ACCORDANCE WITH GOOD MANUFACTURING PRACTICES.

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## SECTION 3 HEALTH INFORMATION AND PROTECTION

### NATURE OF HAZARD

**EYE CONTACT:**

Particulates may scratch eye surfaces/cause mechanical irritation

**SKIN CONTACT:**

No hazard in normal industrial use.

**INHALATION:**

No hazard in normal industrial use.

**INGESTION:**

No hazard in normal industrial use.

### FIRST AID

**EYE CONTACT:**

This product is an inert solid. If in eye, remove as one would any foreign object. If irritation persists, contact physician.

**SKIN CONTACT:**

Wash with soap and water. If irritation persists, contact physician.

**INHALATION:**

In case of adverse reaction, immediately remove the affected victim from exposure to fresh air. If adverse conditions persist, contact physician.

**INGESTION:**

First aid is normally not required.

### WORKPLACE EXPOSURE LIMITS

No workplace exposure limits have been established for this product.

### OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS

5 mg/m<sup>3</sup> (respirable dust), and 15 mg/m<sup>3</sup> (total dust) based on the OSHA PEL for nuisance dust.

The recommended permissible exposure levels indicated above reflect the levels revised by OSHA in 1989 or in subsequent regulatory activity. Although the 1989 levels have since been vacated by the 11th Circuit Court of Appeals, LINQ Industrial Fabrics recommends that the lower exposure levels be observed as reasonable worker protection.

### THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

a TWA of 10 mg/m<sup>3</sup> (total dust) for nuisance dust.

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## PRECAUTIONS

### PERSONAL PROTECTION

Not required in normal industrial use. Where overexposure by inhalation may occur and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary.

### VENTILATION

Local ventilation may be required to control dust.

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## SECTION 4 FIRE & EXPLOSION HAZARD

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**FLASHPOINT:** 570°F NOTE: Decomposes > 570°F

**FLAMMABLE LIMITS:** NOTE: Not Applicable

**AUTOIGNITION TEMPERATURE:** NOTE: > 575°F for polypropylene

### GENERAL HAZARD

Solid material may burn at or above the flashpoint, and airborne dust may explode if ignited. If thermally decomposed, flammable/toxic gases may be released. Toxic gases will form upon combustion.

### FIRE FIGHTING

Use water spray to cool fire, exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Extinguish the fire by cooling with water spray. Respiratory and eye protection required for fire fighting personnel.

### DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

Carbon monoxide and irritating smoke under oxygen lean conditions

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## SECTION 5 SPILL CONTROL PROCEDURE

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### LAND SPILL

Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

### WATER SPILL

Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

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**SECTION 6 NOTES**

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No notes applicable.

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**SECTION 7 REGULATORY INFORMATION**

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**DEPARTMENT OF TRANSPORTATION (DOT):****DOT HAZARD CLASS:** Not Regulated**DOT IDENTIFICATION NUMBER:** Not Available**FLASHPOINT:** > 570°F. (for polypropylene)**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

This product contains the following chemicals subject to the reporting requirements of the Toxic Substances Control Act (TSCA):

None

**CERCLA:**

Under the Comprehensive Response, Compensation, and Liability Act, (CERCLA), certain releases to air, land, or water may be reportable to the National Response Center at 800-424-8802. Circumstances surrounding the release and cleanup, determine reportability. This product is not subject to CERCLA reporting requirements.

**SARA TITLE III:**

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act (40CFR 372), this product is classified into the following hazard categories:

Not Hazardous.

This product contains the following chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and the Community Right-to-Know Act of 1986, also known as Title III of SARA (Superfund and Reclamation Act) and of 40 CFR 372.

NONE

This information must be included in all MSDSs that are copied and distributed with this material.

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## OZONE DEPLETING SUBSTANCES

This product is not formulated with nor does the process utilize any known Class I or Class II Ozone Depleting Substances regulated by the EPA Clean Air Act (40CFR Part 82)

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## SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

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**SP. GRAVITY:**  
0.90

**VAPOR PRESSURE, mmHg at °F:**  
Not Applicable

**SOLUBILITY IN WATER, WT. % AT °F:**  
Insoluble

**VISCOSITY OF LIQUID, cST at °F:**  
Not Applicable

**SP. GRAVITY OF VAPOR, at 1 ATM AIR = 1:**  
Not Applicable

**FREEZING/MELTING POINT, °F:**  
Varies by grade/ > 225°F

**EVAPORATION RATE, n-BU ACETATE = 1:**  
Not Applicable

**BOILING POINT, °F:**  
Not Applicable

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## SECTION 9 REACTIVITY DATA

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**STABILITY:**  
Stable

**HAZARDOUS POLYMERIZATION:**  
Will not occur

**CONDITIONS TO AVOID INSTABILITY:**  
Not Applicable

**MATERIALS CONDITIONS TO AVOID INCOMPATIBILITY:**  
Temperatures over 480°F/250°C may cause resin degradation

**HAZARDOUS DECOMPOSITION PRODUCTS:**  
Olefinic or paraffinic hydrocarbons

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### SECTION 10 TRANSPORT AND STORAGE

**U.S. DOT CLASSIFICATION:**

Not Regulated

**STORAGE TEMPERATURE, °F:**

Ambient

**LOADING/UNLOADING TEMPERATURE, °F**

Ambient

**STORAGE/TRANSPORT PRESSURE, mmHg:**

Atmospheric

**VISCOSITY AT LOADING/UNLOADING TEMPERATURE,**

Not Applicable

### SECTION 11 OTHER INFORMATION

None

**REVISION SUMMARY:**

Since October 2001, this MSDS has been revised in Section(s): None

**REFERENCE NUMBER:**

MSDS – EX - 1

**DATE PREPARED:**

20 JANUARY, 2006

**SUPERSEDES ISSUE DATE:**

OCTOBER 1, 2001

**HAZARDOUS DATA CONTAINED HEREIN WAS OBTAINED FROM RAW MATERIAL SUPPLIERS  
FOR ADDITIONAL PRODUCT INFORMATION CONTACT YOUR TECHNICAL SALES REPRESENTATIVE  
FOR ADDITIONAL HEALTH/SAFETY INFORMATION CALL (843) 873-5800**

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