



SAFETY DATA SHEET

NYLON 6,6 SPUNBOND FABRIC

Section 1. Identification

GHS product identifier : NYLON 6,6 SPUNBOND FABRIC:
Cerex®, PBN-II®, Orion®, Oil Shark®, N-Fusion™,
Vibratex® and Spectralon® spunbond nylon fabrics

Other means of identification : Polyamide solid (*in the form of nonwoven fabric*)

Product type : Solid (*fabric in roll form*)

Relevant identified uses of the substance or mixture and uses advised against Not applicable.

Supplier's details : CEREX Advanced Fabrics, Inc.
610 Chemstrand Road
Cantonment, FL 32533 USA

Emergency telephone number (with hours of operation) : Toll Free: 800-572-3739
Toll: 850-968-0100
8:00 a.m. – 4:00 p.m. CST
(24 hour assistance is not available)

Section 2. Hazards identification

OSHA/HCS status : This material is defined as an Article and not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). Many sections of the SDS do not apply to fabric, but this SDS does contain valuable information critical to the safe handling and proper use of the product. Cerex is providing the SDS with the best information possible in the spirit of providing safety information to our customers.

Classification: : Not classified.

GHS label elements

Signal word : No signal word.

Hazard statements : Vapor from burning material may be irritating to eyes and respiratory system.

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 : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : Polyamide solid – nonwoven fabric roll

CAS number/other identifiers

CAS number : Not applicable.

Product code : Not available.

Ingredient name	%	CAS number
Poly[imino(1,6-dioxo-1,6-hexanediy)imino-1,6-hexanediy] - (nylon 6,6)	95 - 100	32131-17-2
Poly[imino(1-oxo-1,6-hexanediy)] - (nylon 6)	0 - 4	25038-54-4
or other color additive in Vibratex® and Spectralon® materials	0 - 1	-

Date of issue/Date of revision : 06/15/2015 **Date of previous issue** : Initial Issue **Version** : 0

Section 3. Composition/information on ingredients

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.

Section 4. First aid measures

Description of necessary first aid measures

- Eye contact** : No more than slightly irritating to eyes. Dust from excessive abrasion may cause eye irritation as would any foreign material. If this occurs, 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** : Only an inhalation hazard if burning. 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** : Not irritating to skin.
- Ingestion** : No more than slightly toxic if swallowed. Significant adverse health effects are not expected to develop if only small amounts are ingested (less than a mouthful) if swallowed. 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 exposed 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 person exposed becomes ill, nauseated or shows other signs of distress.

Most important symptoms/effects, acute and delayed

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.

Over-exposure signs/symptoms

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

Indication of immediate medical attention and special treatment needed, if necessary

- 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.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

- 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.

Section 5. Fire-fighting measures

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides
- 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.

Section 9. Physical and chemical properties

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.			

Section 11. Toxicological information

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

Section 11. Toxicological information

Potential immediate effects : No results available.

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 : None.

: Not available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

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

Section 15. Regulatory information

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

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

Hazardous Material Information System (U.S.A.)

Health	/	1
Flammability		0
Physical hazards		0

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

National Fire Protection Association (U.S.A.)



History

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Prepared by : Cerex Product Stewardship Group

Section 16. Other information

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References : Not available.

✔ Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.