



2125 Center Ave. Suite 400 | Ft. Lee New Jersey 07024

# Safety Data Sheet (HiperLon)

5/1/15

## 1. Product Identification

Product Name: HiperLon (Nylon Fiber)  
Manufacturers Name: ICF Concrete Additives, LLC  
2125 Center Ave.-Suite 400, Fort Lee, NJ 07024  
(201) 482-8032  
(443) 865-5891  
Emergency Contact #: Crack reducing additive  
Recommended Use: None known  
Restrictions on Use:

## 2. Hazard(s) Identification

Skin Contact: Contact with fibers may cause mechanical irritation of skin.  
Inhalation: Some individuals, e.g. with asthma or bronchitis, are likely to be intolerant of high concentrations of airborne fibers or fiber dust when processing.  
Skin Absorption: None known  
Eye Contact: Fibers or fiber dust may cause irritation or scratch the surface of eyes.  
Ingestion: None known

## 3. Composition/Information on Ingredients

Material or Component	CAS No.	EINECS No.	By weight
Adipic acid-hexamethylenediamine Resin, (nylon 6/6)	32131-17-2	-----	>=100%
Poly (hexamethylene adipamide-co-caprolactam (nylon 6 6/6)	24993-04-2	-----	>=100%

## 4. First Aid Measures

Eyes: Flush with water to remove particles.  
Skin: Wash off with soap and water.  
Inhalation: Remove to fresh air if effects occur and should seek medical attention if coughing or other symptoms occur  
Ingestion: No treatment required (no harm).  
Notes to Physician: Fibers can be regarded as physiologically inert since, so far, no poisoning or other injurious effects have been observed in cases where this material has been used internally (surgical sutures, replacement of blood vessels, etc.). On external contact, no signs of dermatitis or other skin injury have been observed.

## 5. Fire Fighting Measures

Flash Point: 305°C  
Autoignition Temperature: 485°C  
Flammable Limits in Air, % by Volume: Not determined  
Extinguishing Media: Water, CO2, Dry Chemicals, Foam-Fog  
Special Fire Fighting Procedures: Avoid excessive inhalation of smoke or potential thermal decomposition products. Wear self contained breathing apparatus meeting NIOSH standards.  
Unusual Fire & Explosion Hazard: None

## 6. Accidental Release Measures

Aquatic Toxicity: None known  
Steps to be taken if Material is released of Spilled: Sweep or vacuum up and place in a waste disposal container to an approved landfill or reuse.  
Neutralizing Chemicals: Not applicable

## 7. Handling and Storage

Precautionary Statements: No special handling has been shown to be necessary.  
Other Handling & Storage Requirements: Do not store near flame or incompatible materials. Maintain good housekeeping to control dust accumulations.

## 8. Exposure Controls/Personal Protection

Ventilation Requirements: Local exhaust for fiber dust only.  
Specific Personal Protective Equipment (PPE): **Respiratory-** For operators where inhalation exposure can occur, a NIOSH approved respirator recommended by an industrial hygienist may be necessary.  
**Eye-** For operations where eye or face contact may occur, eye protection such as goggles or a face shield is recommended.  
**Skin-** Not required.  
**Additional Equipment-** Not required.  
Exposure Guidelines: Dust should be considered a nuisance dust:  
ACGIH TLV 10mg/m<sup>3</sup> total dust  
OSHA PEL: 15 mg/m<sup>3</sup> total dust; 5-mg/m<sup>3</sup> respirable dust



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### 9. Physical & Chemical Properties

Chemical Formula:		Melting Point:	254-266°C	Odor:	Not Applicable
Molecular Weight:	Not Determined	Boiling Point:	Not determined	Vapor Pressure:	Not Applicable
Specific Gravity:	1.12-1.16 g/cm <sup>3</sup>	Solubility in water:	Not soluble	VOC (percent):	None
Physical State:	White solid	pH:	Not Applicable	Evaporation Rate:	Not Applicable

### 10. Stability and Reactivity

Incompatibilities:	Tends to decompose in strong acids & bases
Conditions Contributing to Instability:	Contact with flame; temperatures above 300°C
Hazardous Decomposition Products:	At temperatures above 340°C/644°F, C, CO, CO <sub>2</sub> , NO <sub>2</sub> , NO <sub>3</sub> , HCN
Conditions Contributing to Hazardous Polymerization:	Hazardous polymerization will not occur.

### 11. Toxicological Information

The fiber product is not toxic.

### 12. Ecological Information

Aquatic Toxicity: No data available.

### 13. Disposal Considerations

RCRA:	Is the unused product a RCRA waste if discarded? No
Waste Disposal Method:	Dispose of in accordance with applicable governmental non-hazardous solid waste regulations.
Steps to be taken if material is Released or spilled:	Sweep up and place in a waste disposal container.
Neutralizing Chemicals:	Not applicable.

### 14. Transport Information

US DOT Proper Shipping Name:	Nylon Staple Fiber
US DOT Hazard Class:	Not applicable
USDOT ID Number:	Not applicable

### 15. Regulatory Information

<b>International</b>	TSCA: This product, or all its ingredients, is certified for inclusion on the TSCA Inventory of Chemical Substances.
IATA: Not regulated.	
IMDG: Not regulated	
Canada WHMIS: Not a controlled product	
Japan MITI:	
<b>Federal</b>	<b>State</b>
SARA: No Ingredients listed	CA Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or birth defects.

### 16. Other Information

**Disclaimer:** To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the 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 which exist.

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