# NYCON

# **SAFETY DATA SHEET**

1. Identification						
Prod	duct identifier	Nycon-XL				
Other means of	identification					
	SDS number	3020				
	Synonym(s)	Polyolefin macro fiber	Polyolefin macro fiber			
Recon	nmended use	Concrete / Mortar reinforcement fibers				
Recommende	ed restrictions	None known				
9	ncy telephone : al Information :	Nycon Corporation 300 Ben Fairless Drive Fairless Hills, PA 19030 USA 1-800-456-9266 Phone: 1-215-310-2139 fax: 215-310-2138 sales@nycon.com				
2. Hazard(s) identification	on					
	ysical hazards	Not classified				
	ealth hazards	Not classified				
OSHA de	fined hazards	Combustible dust				
Label elements	lazard symbol	None				
	Signal word	Warning				
Hazard Statement		May form combustible dust concentrations in the air				
Prevention		Not assigned				
Response		Not assigned				
Storage		Not assigned				
Disposal		Dispose of or recycle in accordance with local and/or state laws				
Hazard(s) not otherwise classified		N/A				
3. Composition/informa	ation on ing	redients				
Chemical name		Common name and synonyms	CAS number	%		
Polypropylene			9003-07-0	95-99%		
polyolefin			83136-87-2	1-5%		
F			332330, 2	1-3/0		

#### Composition comments

A polyolefin is any of a class of polymers produced from a simple olefin (also called an alkene with the general formula  $C_nH_{2n}$ ) as a monomer.

#### 4. First-aid Measures

Inhalation If exposed to excessive levels of dust or fumes, move to a fresh air environment and get medical attention if resperatory symptoms develope.

Skin contact With skin contact there should be no hazordous outcome however, if rash apears , rinse

Eye contact Proceed to the eyewash station and rinse untill product is removed from eye.

If swallowed, do not induse vomiting, shall vomiting occur naturally lean forward to prevent aspiration then rinse mouth.

Most important Inhalation May cause shortness of breath, tightness of the chest, a sore throat, and cough

symptoms/effects, Skin May cause redness and or itching

acute and delayed: Eyes May cause Itching, burning, redness, and tearing

Ingestion With large amounts ingested may cause gastrointestinal blockage

Indication of immediate medical attention and special treatment needed Provide general supportive measures and treat sympomatically.

General information Ensure that employees are aware of the materials involved, and take precautions to protect themselves

#### 5. Fire-fighting measures

Suitable extinguishing media Dry Chemical, Water Spray, Foam, Carbon Dioxide. Avoid using direct streams of water on molten burning material.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical Carbon monoxide, carbon dioxide, original monomer other hydrocarbon oxidation products may be present

Special protective equipment and precautions for firefighting Wear self-contained breathing apparatus and protective suit.

#### 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Use personal protective equipment (PPE).

Land Spill: Spilled material should be swept up and discarded. Comply with applicable federal, state and local regulations.

Methods and materials for containment and clean up Water Spill: Notify local authorities if spilled in waterway or sewer. Skim from surface of water if possible.

Waste Disposal: Reclaim where possible. Dispose of in accordance with local and state regulations. This is not an RCRA

Environmental precautions Prevent further leakage or spillage if safe to do so.

#### 7. Handling and storage

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Precautions for safe handling

Keep away from sparks heat and flame. This product may react with strong oxidizing agents and should not be stored near such materials. Store boxes and bags of material in areas protected with automatic sprinklers. Use proper grounding procedures. Inspect handling system regularly for possible accumulation of fines. Fines can present an explosive hazard when exposed to

Conditions for safe storage, including and imcompatibilities

Keep in tighly closed and dry containers. To maintain product quality, do not store in heat or direct sunlight. Keep from freezing. Routine housekeeping should be done to ensure that dust does not accumulate on surfaces.

#### 8. Exposure controls/personal protection

Occupational exposure limits No exposure limites noted for ingredient(s).

Biological limit values No biological exposure imilts noted for the ingredient(s).

Appropriate engineering controls

Provide mechanical ventilation; in general such ventilation should be provided at compounding/converting areas and at fabricating/ filling work stations where the material is heated. Local exhaust ventilation should be used over and in the vicinity of machinery involved in handling the molten material.

#### Individual protection measures, such as personal protective equpment

Eye/face protection Wear safety glasses in compliance with OSHA regulations

Hand protection Wear clean, long-sleeved, body-covering clothing.

Other N/A

Respiratory protection If handling at elevated temperatures and overexposure has been determined, an airrespirator is advised in the absence of proper environmental control.

Thermal hazards Wear appropriate thermal protective clothing, when necessary

General hygiene consideration Wash hands before breaks and immediately after handling product

#### 9. Physical and chemical properties

#### Appearance

Physical state Solid

Form Fibers

Color Various white color

Odor Slight to none

Odor theshold Not available

pH Not available

Melting point/freezing point 120-130°C (250-265°F)

Initial boiling point and boiling range Not available

Flash point 366°C (691°F)

Evaporation rate Not available

Flammability ( solid, gas ) Not available

Upper/lower flammability or explosive limits

Flammability limit - lower % Not available

Flammability limit - lower % Not available

Explosive limit - lower % Not available

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Explosive limit - upper %	Not available
Vapor pressure/density	Not available
Specific gravity	.91 (g/cm3 @ 23°C)
Relative density	Not available
Solubility(ies)	<0.1%
Partiton coefficient (n-octanol/water)	Not available
Auto-ignition temperature	735 °F
Decompostion temperature	735 °F
Viscosity	Not available

### 10. Stability and reactivity

Reactivity	Strong oxidizing agents
Chemical stabilty	Material is stable under normal conditions
Possibility of hazardous reactions	No Dangourous reactions known under conditions of normal use
Conditions to avoid	Minimize dust generation. Avoid heat, sparks, open flames and other ignition sources
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Small quantities of low molecular weight hydrocarbons, alcohols, aldehydes (incl. Formaldehyde), carboxylic acids, carbon oxides and ketones can be formed during thermal processing

## 11. Toxicological infomation

Information on likely routed of exposure				
Ingestion	Ingestion is not likely route of exposeure. if ingested seek medical attention			
Inhalation	Remove person to fresh air. If irritation develops obtain medical attention.			
Skin contact	If irritation develops, flush with running water. Wash affected area with soap and water			
Eye contact	If irritation develops do not scrach or rub, flush with running water for 10-15 minutes.			
Symptoms related to the Physical, chemical and toxicological characteristics	See information on likely routes of exposure.			
Information on toxicological effects				
Acute toxicity	Due to this material's high molecular weight, this material is considered to be little to no toxicological concern			
Skin corrosion/irritation	Not available			
Serious eye damage/eye irritation	Not available			
Respiratory sensitization	Not available			
Skin sensation	Not available			
Germ cell mutagenicity	Not available			
Carcinogenicity	International Agency for Research on Cancer (IARC): Group3 - NOT classifiable as to its carcinogenicity to humans.			

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Reproductive toxicity	Not available
Specific target organ toxicity single exposure	Not available
Specific target organ toxicity repeat exposure	Not available
Aspiration hazard	Not likely, due to the form of the product
Chronic effects	None Known
Further information	Exposure to powder or dust may be irritating to eyes, nose and throat.
12. Ecological information	
Ecotoxicity	No known or expected ecotoxicity.
Persistence and degradability	Not available
Bioaccumulative potential	Not available
Mobility in soil	Not available
Other adverse effects	Not available
13. Disposal considerations	
Disposal instructions	Dispose in accordance with all appicable regulations
Waste from residue / unused product	Empty containers or liners may retain so pruduct residues. this material and its container must be disposed of in a safe manner
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling
14. Transport information	
DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated
15. Regulatory information	
US Federal Regulations	This Material is not Hazardous by OSHA Hazardous Communication Standard 29 CFR 1910.1200
Superfund Amendments and Reauthoriztion Ac	t of 1986 (SARA) (Y/N)
Hazard categories : Immediate Hazard	No
Delayed hazard	No
Fire hazard	Yes
Pressure hazard	No
Reactivity hazazrd	No
SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous Chemical	Yes
16. Other information, including da	ate of preparation or last revision
Issue date	Jan. 04, 2016
Revision date	Jan. 04, 2016
Version #	1.0

	Futher information		54, Standard for the Prevention Processing, and Handling of Cor		•		
HMIS ratings : (Scale)	Health	0	Flammability	1	Physical hazard	0	
NFPA ratings : (Scale)					1279		
	Health	0	Flammability	1	Instability	0	
List of abbreviations :		IARC - Internatio	nal Agency for Research and Ca	ancer.			

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