

Version 2.0	Revision Date: 07/14/2017	SDS Nu 1745646		Date of last issue: 06/15/2017 Date of first issue: 06/15/2017	
SECTION	1. IDENTIFICATION				
Produ	Product name		Nafion™ N117, Nafion™ N117		
Produ	uct code	: D12	381841, D12	381841	
Manu	ufacturer or supplier's	details			
Com	pany name of supplier	: The	Chemours C	ompany FC, LLC	
Addre	Address		1007 Market Street Wilmington, DE 19899 United States of America (USA)		
Telep	phone	: 1-84	4-773-CHEN	I (outside the U.S. 1-302-773-1000)	
Emer	gency telephone	773-		cy: 1-866-595-1473 (outside the U.S. 1-302- nsport emergency: +1-800-424-9300 (outside 527-3887)	
Reco	ommended use of the o	hemical a	and restriction	ons on use	
Reco	mmended use		-	ed articles and electronics	
Restr	ictions on use	Do n tions inter writte	involving im nal body fluic en agreemer	only. ell Chemours™ materials in medical applica- plantation in the human body or contact with ls or tissues unless agreed to by Seller in a t covering such use. For further information, our Chemours representative.	

### **SECTION 2. HAZARDS IDENTIFICATION**

### GHS classification in accordance with 29 CFR 1910.1200

Not a hazardous substance or mixture.

### **GHS** label elements

Not a hazardous substance or mixture.

### Other hazards

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Substance
Substance name	:	Article



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	ardous ingredients azardous ingredients			
SECTION	I 4. FIRST AID MEASUF	RES		
lf inh	aled	:	Not applicable	
In ca	se of skin contact	:	Not applicable	
In ca	se of eye contact	:	Not applicable	
lf swa	allowed	:	Not applicable	
	important symptoms effects, both acute and yed	:	Irritation Lung edema	rovoke the following symptoms: provoke the following symptoms be delayed.
Prote	ection of first-aiders	:	No special preca	utions are necessary for first aid responders
Note	Notes to physician		Treat symptomatically and supportively.	
SECTION	I 5. FIRE-FIGHTING ME	ASI	JRES	
Suita	able extinguishing media	:	Water spray Alcohol-resistant Carbon dioxide (0 Dry chemical	
Lineu	uitable extinguishing		None known	

:	None known.
:	Exposure to combustion products may be a hazard to health.
- :	No hazardous combustion products are known
:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.
t:	Wear self-contained breathing apparatus for firefighting if nec- essary. Use personal protective equipment.
	:

### SECTION 6. ACCIDENTAL RELEASE MEASURES

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tive eq	al precautions, protec- uipment and emer- procedures	:	Follow safe handl equipment recom	ing advice and personal protective mendations.
Enviro	nmental precautions	:	Prevent further le Retain and dispos	e environment must be avoided. akage or spillage if safe to do so. se of contaminated wash water. should be advised if significant spillages red.
	ds and materials for Iment and cleaning up	:	container for disp Local or national disposal of this m employed in the c determine which in Sections 13 and 1	um up spillage and collect in suitable osal. regulations may apply to releases and aterial, as well as those materials and items leanup of releases. You will need to regulations are applicable. IS of this SDS provide information regarding itional requirements.

### SECTION 7. HANDLING AND STORAGE

Technical measures	:	See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	:	Use only with adequate ventilation.
Advice on safe handling	:	Handle in accordance with good industrial hygiene and safety practice. Take care to prevent spills, waste and minimize release to the environment.
Conditions for safe storage	:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid	:	Do not store with the following product types: Strong oxidizing agents
Recommended storage tem- perature	:	10 - 30 °C
Other data	:	Stable under recommended storage conditions.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

### Engineering measures : Not applicable

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally



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				required.	
	Hand p	rotection			
	Ren	narks	:	Wash hands befo	re breaks and at the end of workday.
	Eye pro	otection	:	Not applicable	
	Skin ar	nd body protection	:	Not applicable	
	Hygien	e measures	:	When using do no	ot eat, drink or smoke.
SEC	TION 9	. PHYSICAL AND CHE	EMI		3
	Appear	ance	:	Membrane, film	
	Color		:	natural color	
	Odor		:	odorless	
	Odor T	hreshold	:	No data available	)
	рН		:	No data available	)
	Melting	point/freezing point	:	No data available	)
	Initial b range	oiling point and boiling	:	No data available	
Ĩ	Flash p	point	:	Not applicable	
	Evapor	ation rate	:	Not applicable	
	Flamm	ability (solid, gas)	:	No data available	)
		explosion limit / Upper bility limit	:	No data available	
		explosion limit / Lower bility limit	:	No data available	
	Vapor p	oressure	:	Not applicable	
	Relativ	e vapor density	:	Not applicable	
	Relativ	e density	:	No data available	)
	Solubili Wat	ty(ies) er solubility	:	insoluble	
	Partitio octanol	n coefficient: n- /water	:	No data available	
	Autoigr	nition temperature	:	No data available	



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Deco	mposition temperature	: 150 °C	
	Viscosity Viscosity, kinematic		licable
Explo	Explosive properties		losive
Oxidi	Oxidizing properties		stance or mixture is not classified as oxidizing.
Partic	cle size	: No data	available
SECTION	10. STABILITY AND R	EACTIVITY	
Reac	tivity	: Not clas	sified as a reactivity hazard.

Chemical stabi	lity	:	Stable under normal conditions.
Possibility of h tions	azardous reac-	:	Can react with strong oxidizing agents.
Conditions to a		:	None known.
Incompatible n	naterials	:	Oxidizing agents
Hazardous deo products	composition	:	No hazardous decomposition products are known.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

Skin contact Ingestion Eye contact

### Acute toxicity

Not classified based on available information.

### Skin corrosion/irritation

Not classified based on available information.

#### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### **Respiratory sensitization**

Not classified based on available information.

### Germ cell mutagenicity

Not classified based on available information.



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Carci	nogenicity						
	lassified based on ava						
IARC	;	equal to 0.1% is id	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.				
OSH	Α		this product present at levels greater than or n OSHA's list of regulated carcinogens.				
NTP			No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.				
•	oductive toxicity						
	lassified based on ava	ailable information.					
	<b>-single exposure</b> lassified based on ava	ailable information					
	-repeated exposure						
	assified based on ava	ailable information.					
	ation toxicity						
•	lassified based on ava	ailable information.					
SECTION 12. ECOLOGICAL INFORMATION							
Ecoto	oxicity						
	ata available						
Persi	stence and degrada	bility					

No data available

**Bioaccumulative potential** 

No data available

Mobility in soil

No data available

### Other adverse effects

No data available

### SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods Waste from residues	:	Dispose of in accordance with local regulations.
Contaminated packaging	:	Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product.

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### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

### **Domestic regulation**

**49 CFR** Not regulated as a dangerous good

### **SECTION 15. REGULATORY INFORMATION**

### EPCRA - Emergency Planning and Community Right-to-Know

### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA Hazards

 SARA 313
 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### **US State Regulations**

Pennsylvania Right To Know

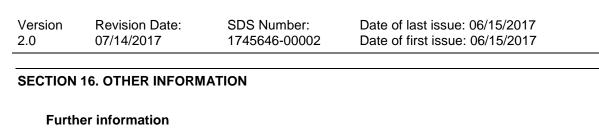
Article

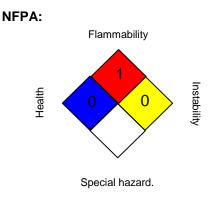
Not Assigned

### California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.







HMIS® IV:



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 "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC -International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG -

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United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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For further information contact the local Chemours office or nominated distributors. All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

Sources of key data used to	:	Internal technical data, data from raw material SDSs, OECD
compile the Material Safety		eChem Portal search results and European Chemicals Agen-
Data Sheet		cy, http://echa.europa.eu/

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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