



04/20/2021

Mr. Jim Massengale
United Poly Systems, LLC
4707 East Kearney Street
Springfield, MO 65803

Subject: Revised Authorized Registered Formulation for Standard 61

Enclosed is a copy of your revised Authorized Registered Formulation. This complete formulation must be at the identified facility location for review by an NSF Auditor, conducting the annual/follow-up audits. Each product is identified by Document Control Code (DCC number) located in the upper left hand corner of the each page. All previous and now outdated Authorized Registered Formulations for your products are replaced with the enclosed revisions.

The NSF audit of your facility, including materials/process verification and product sampling, will be guided by this formulation. Failure to maintain this information at the facility may require special follow-up audits or result in removal of products from Listing.

As a reminder, you are not permitted to make any formulation changes to NSF Certified products without prior written approval from NSF. Only those specific material/ingredients and use levels indicated in the Authorized Registered Formulation are authorized for use in the Certified Product. To obtain authorization for an alternate supplier (or other modification) please contact your Account Manager at 1-800-NSF-MARK to request the appropriate forms. For customers outside the USA, please use 1-734-769-8010 and ask for your Account Manager.

If you have any questions about the Authorized Registered Formulation, please contact your Account Manager indicated below.

Enclosure: Authorized Registered Formulation

Account Manager: Liza Nero, 1-734-492-5518, lnero@nsf.org

Facility: C0141247

DCC: PM13863

NSF/ANSI Standard 61 - Drinking Water System Components - Health Effects**Authorized Registered Formulation****Reason For Revision:** W0676209 - Add Dependent Blend UPS 7473-5 to NSF-61 ARF PM13863**Customer Name:** United Poly Systems, LLC**Facility Location:** Springfield, MO**Customer Number:** C0141246**Facility At:** Springfield, MO**Facility Number:** C0141247**Function:** Pipe**Size:** >= 1/2 in**Trade Name(s)**

UPS7473

Category: PIPE, SECTION 4 - PIPES AND RELATED PRODUCTS**Material Type:** Polyethylene (PE)**Temperature:** Cold (73 °F / 23 °C)**Sample Notes**

Please collect 50 feet of 1/2" pipe.



Wetted Parts List

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Part Trade Name	Supplier Name	Formulator Name	DCC	Footnotes
UPS7473-1	UNITED POLY SYSTEMS, LLC		IA28677	
UPS7473-2	UNITED POLY SYSTEMS, LLC		IA33115	
UPS7473-4	UNITED POLY SYSTEMS, LLC		IA30756	
UPS7473-6	UNITED POLY SYSTEMS, LLC		IA31890	
UPS7473-7	UNITED POLY SYSTEMS, LLC		IA32397	
UPS7473-8	UNITED POLY SYSTEMS, LLC		IA32437	
UPS7473-4-4	UNITED POLY SYSTEMS, LLC		IA32612	
UPSL4904LS	UNITED POLY SYSTEMS, LLC		IA33650	
UPS7473-5	UNITED POLY SYSTEMS, LLC		IA31643	

Notes

Wetted Parts List

Definitions of Terminology used in this Document:

Trade name: The name given to the ingredient, material or assembly by the company that makes the product.

Supplier: The name of the company that provides an ingredient, material or assembly directly to the company that makes the product covered by this registration. The supplier could be a formulator, distributor, fabricator, molder, extruder, mixer, manufacturer or assembler.

Formulator: The name of the company that prepares a material according to a formula. The formulator and the supplier could be the same company. This field may be blank as this information is only reported when the information is not confidential.

In plant assemblies, compounding and mixing: Components of assemblies, materials (formulated or compounded) or ingredients which are manufactured at this facility are included on

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In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA28677

Trade Name: UPS7473-1

Formulation Description: PE 4710 DEPENDENT BLEND (PL04718)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
1-BUTENE, POLYMER WITH ETHENE	ALATHON® L4904	EQUISTAR CHEMICALS, LP	93.2-94%	PL04718	
1-BUTENE, POLYMER WITH ETHENE	ALATHON® L4904LS	EQUISTAR CHEMICALS, LP, A WHOLLY-OWNED SUBSIDIARY OF LYONDELLBASELL	93.2-94%	PL04718	
BLACK LINEAR LOW DENSITY POLYETHYLENE CONCENTRATE	MARLEX® M151	CHEVRON PHILLIPS CHEMICAL COMPANY, LP	6-6.8%	PL04008	
BLACK POLYETHYLENE CONCENTRATE	B60054	SPARTECH COLOR & SPECIALTY COMPOUNDS	6-6.8%	IN05929	
BLACK POLYETHYLENE CONCENTRATE	B60054C	SPARTECH COLOR & SPECIALTY COMPOUNDS	6-6.8%	IN05929	
BLACK POLYETHYLENE CONCENTRATE	PE-535-42	MODERN DISPERSIONS, INC.	6-6.8%	I9469007	

In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA33115

Trade Name: UPS7473-2

Formulation Description: PE 4710 DEPENDENT BLEND (INEOS PL04693)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
HIGH DENSITY BIMODAL POLYETHYLENE COPOLYMER	TUB121	INEOS OLEFINS AND POLYMERS USA, A DIVISION OF INEOS USA LLC.	93.1-94.1%	PL04693	
BLACK LINEAR LOW DENSITY POLYETHYLENE CONCENTRATE	MARLEX® M151	CHEVRON PHILLIPS CHEMICAL COMPANY, LP	5.9-6.9%	PL04008	
BLACK POLYETHYLENE CONCENTRATE	B60054	SPARTECH COLOR & SPECIALTY COMPOUNDS	5.9-6.9%	IN05929	
BLACK POLYETHYLENE CONCENTRATE	B60054C	SPARTECH COLOR & SPECIALTY COMPOUNDS	5.9-6.9%	IN05929	
BLACK POLYETHYLENE CONCENTRATE	PE-535-42	MODERN DISPERSIONS, INC.	5.9-6.9%	I9469007	

In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

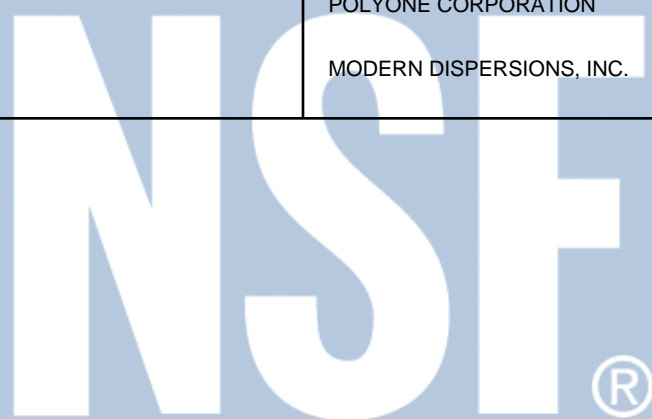
Facility Number: C0141247

Supporting DCC: IA30756

Trade Name: UPS7473-4

Formulation Description: PE 4710 DEPENDENT BLEND (FORMOSA PL06084)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
NATURAL HDPE RESIN	FORMOLENE E6210A	FORMOSA PLASTICS CORPORATION, TEXAS	92.85-94.28%	PL06084	
BLACK PE CONCENTRATE	2107 BLACK PEC	POLYONE CORPORATION	5.72-7.15%	PL04196	
BLACK PE CONCENTRATE	PE-535-42	MODERN DISPERSIONS, INC.	5.72-7.15%	I9469007	



In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA31890

Trade Name: UPS7473-6

Formulation Description: PE 4710 DEPENDENT BLEND (EQUISTAR PL02129)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
ETHYLENE BUTENE-1 COPOLYMER	ALATHON L5008HP	EQUISTAR CHEMICALS, LP, A WHOLLY-OWNED SUBSIDIARY OF LYONDELLBASELL	92.7-94%	PL02129	
BLACK MASTERBATCH	PEC 2139	POLYONE CORPORATION	6-7.3%		
BLACK MASTERBATCH	IPBK033A	INGENIA POLYMERS	6-7.3%		
BLACK MASTERBATCH	190872	AMPACET	6-7.3%		
BLACK MASTERBATCH	2107 BLACK PEC	POLYONE CORPORATION	6-7.3%		
BLACK MASTERBATCH	2116 BLACK PEC	POLYONE CORPORATION	6-7.3%		
BLACK MASTERBATCH	M151	CPCHEM	6-7.3%		
BLACK MASTERBATCH	PE-535-42	MODERN DISPERSION ®	6-7.3%		
BLACK MASTERBATCH	190109-A BLACK PE MB	AMPACET CORPORATION	6-7.3%		
BLACK MASTERBATCH	B60054	POLYONE CORPORATION	6-7.3%		
BLACK MASTERBATCH	PE 42000 BK	RTP COMPANY	6-7.3%		

In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA32397

Trade Name: UPS7473-7

Formulation Description: PE 4710 DEPENDENT BLEND (PL06267)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
POLYETHYLENE	HD4985	SASOL CHEMICALS NORTH AMERICA LLC	92-94.2%	PL06267	
POLYETHYLENE	SASOL HD4985 LS	SASOL CHEMICALS NORTH AMERICA LLC	92-94.2%	PL06267	
CARBON BLACK MASTERBATCH	AMPACET 190872	AMPACET CORPORATION	5.8-8%		
CARBON BLACK MASTERBATCH	190872-A BLACK PE MB	AMPACET CORPORATION	5.8-8%	IN05702	
CARBON BLACK MASTERBATCH	IPBK033A	INGENIA POLYMERS	5.8-8%		
CARBON BLACK MASTERBATCH	PE-535-0092	MODERN DISPERSIONS	5.8-8%	IN03015	
CARBON BLACK MASTERBATCH	PE-535-92	MODERN DISPERSIONS	5.8-8%		
CARBON BLACK MASTERBATCH	PE-535-42	MODERN DISPERSIONS, INC.®	5.8-8%	I9469007	

In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA32437

Trade Name: UPS7473-8

Formulation Description: PE 4710 DEPENDENT BLEND (PL05352)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
POLYETHYLENE	MARLEX® TRB-432	CHEVRON PHILLIPS CHEMICAL COMPANY, LP	91.7-94.52%	PL05352	
CARBON BLACK MASTERBATCH	MARLEX® M368	CHEVRON PHILLIPS CHEMICAL COMPANY, LP	5.48-8.3%	PL04156	
CARBON BLACK MASTERBATCH	PE 42008 BK MB	RTP COMPANY	5.48-8.3%	EI04754	
CARBON BLACK MASTERBATCH	PE-535-42	MODERN DISPERSIONS, INC.	5.48-8.3%	I9469007	
CARBON BLACK MASTERBATCH	190872	AMPACET CORPORATION	5.48-8.3%	I7710070	
CARBON BLACK MASTERBATCH	IPBK033A	INGENIA POLYMERS	5.48-8.3%	IN13646	

In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA32612

Trade Name: UPS7473-4-4

Formulation Description: PE 4710 DEPENDENT BLEND (FORMOSA PL06559)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
PE RESIN	FORMOLENE E6210C	FORMOSA PLASTICS CORPORATION, TEXAS	91-94.3%	PL06559	
BLACK PE MASTERBATCH	PE-535-42	MODERN DISPERSIONS, INC.	5.7-9%	I9469007	



In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA33650

Trade Name: UPSL4904LS

Formulation Description: PE 4710 DEPENDENT BLEND (EQUISTAR PL04718)

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
NATURAL POLYETHYLENE	ALATHON® L4904LS NATURAL BASE RESIN	EQUISTAR CHEMICALS, LP, A WHOLLY-OWNED SUBSIDIARY OF LYONDELLBASELL	92.7-94%	PL04718	
BLACK MASTERBATCH	PE-535-42	MODERN DISPERSIONS, INC.	6-7.3%	I9469007	
BLACK MASTERBATCH	190872	AMPACET CORPORATION	6-7.3%	I7710070	
BLACK MASTERBATCH	IPBK033A	INGENIA POLYMERS	6-7.3%	IN13646	
BLACK MASTERBATCH	PE-335-4710L BLACK PEC	POLYONE CORPORATION	6-7.3%	IN13647	
BLACK MASTERBATCH	PE 42000 BK	RTP COMPANY	6-7.3%	EI03932	

In-Plant Mixer [Compounder] Formulation

Customer Name: United Poly Systems, LLC

Customer Number: C0141246

Facility Location: Springfield, MO

Facility At: Springfield, MO

Facility Number: C0141247

Supporting DCC: IA31643

Trade Name: UPS7473-5

Formulation Description: FORMULATION

Chemical Name	Trade Name	Supplier Name	% or PPW	DCC	Footnote#
PE RESIN	CONTINUUM™ DGDA-2502 NT	DOW CHEMICAL COMPANY (THE)	91.8-94%	PL05955	
CARBON BLACK MASTERBATCH	DFNF-0092BK (190092)	POLYONE/SOUTHWEST	6-8.2%		
CARBON BLACK MASTERBATCH	DFNF-0092BK (B60060)	SPARTECH	6-8.2%		
CARBON BLACK MASTERBATCH	DFNF-0092BK (PE-535-0092)	MODERN DISPERSIONS	6-8.2%		
CARBON BLACK MASTERBATCH	DFNF-0092BK	INGENIA	6-8.2%		

Notes

Internal Note: This is a dependent blend of PL05955.