



NSF International

January 3, 1992

Ms. Connie Dillon
BF Goodrich
6100 Oak Tree Blvd.
Independence, OH 44131

Dear Ms. Dillon:

I am in receipt of your Product/Materials Information (P/MI) form for Geon 87241-2441. I would like some clarification prior to proceeding with processing of this form. If you could send me a letter detailing your goal(s) for this material, I would be in a better position to help you.

If you have any questions, please contact me directly.

Sincerely,

Brenda S. Gerhardt

Brenda S. Gerhardt
Account Representative
Certification Programs
(313) 769-5346

1amm\52NDillon.ltr

*Sell Class 70. a little more
These parts a little more
Bayer valve cover 1/2" pipe fitting
Ball joint 7 1/2" conductor
used by home on line
a home 1/2*

*Include cover letter
w/ PMI
Exclude
* Sell Class No.*

National Sanitation Foundation
Standard 61: Drinking Water System Components - Health Effects

PRODUCTS/MATERIALS INFORMATION
Section 4. Pipes and Related Products

Company Name: BFGoodrich Geon Vinyl Division

Plant Location: 6100 Oak Tree Blvd.
(City/State) Independence, OH 44131

1. Product trade designation: Geon R7241-2441
alternate designations: _____

2. Item: ☐-rigid pipe/tubing ☐-fittings ☐-well casing ☐-drop pipe
☐-flexible pipe/tubing ☐-well screens ☐-tanks
☒other (describe) Miscellaneous parts *(need to be more specific
all of the mentioned items - i.e. pipes, fittings, appurtenances
(flanges, valves, couplings))*

3. Material Classification: ASTM D-1784 is 15 344-D

4. End use and sizes: need to indicate this

End Use	Minimum Size	Maximum Size	
☐ water main	_____	_____	<i>Give ballpark fig. i.e. (LE 1/2" usually used in home/home; >1/2" (indicates industrial or commercial use))</i>
☐ multiple user service line	_____	_____	
☐ service line	_____	_____	
☐ residential	_____	_____	
☒ other (describe) *	<u>LE = 1/2"</u>	<u>> 1/2"</u>	
<u>subline used for industrial, Commercial use.</u>			

5. Material Source(s):

☐ Fully Blended, purchased material/special compound(s)

Supplier Name	Material Trade Designation	NSF Listed [y/n]
_____	_____	_____
_____	_____	_____
_____	_____	_____

☐ In-plant compound(s)

Formulation Designation(s)

21538009

BFG14907

6. Joining System Design Information:

- ☐ welded, solvent cements
- ☐ welded, heat fused
- ☐ threaded with sealant (complete section 7)
- ☐ threaded with o-ring (complete section 7)
- ☐ push on (gasketed) (complete section 7)
- ☐ push on (barbed)
- ☐ compression (ferrules/gaskets/swells) (complete section 7)
- ☐ Other (describe & complete section 7) _____

7. Joining System Materials Information (water contact):

gaskets/o-rings/stiffeners/inserts (elastomeric or metallic):

Manufacturer	Designation	Specific Material Type	NSF Listed [y/n]
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

thread compounds/sealants/lubricants/inks or paints:

Manufacturer	Designation	Product Type	NSF Listed [y/n]
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

8. End Use Temperature:

- ☐ cold water use only
- ☐ hot and cold water use

=====

Connie N. Dillon 12/13/91
Signature date

21538010

BFG14908

FDA, USDA, NSF, WORKSHEET

11/6/91 8:28 Potable Water Submission
 19616
 wants to sell to general trade -- no specific customers

per Joe Kelley

SUBJECT: <i>Don</i> 87241' GRAY 2441	
Joe Kelley (X-6567) ^{10/22}	
DATE:	COMMENTS/STATUS: <i>NSF specific in Brenda at NSF 313/769-5346</i>
8/23	L-2 checking on FDA status (Stearic Acid)
8/26	Herkel Corp. confirmed Emul 410 Stearic Acid non-FDA clearance <i>cal</i>
	also Industriem B has no FDA clearance per Witco.
10/15	Submit under STD 14
	Potable water - pipe/tubing application
11/6/91	NSF sending proper NSF form (PMI) for submitted under STD 14 (Potable water)
12/13/91	Submitted PMI
1/15/92	Joanne preparing letter Sent letter to Brenda Lohardt, NSF, Clarifying our goal for this material
1/20/92	Tracked PMI Clarification

21538011

BFG14909

05/01/91 12:03

216 447 6262

BFG TECH SERVICE

001

NSF
sta. 61

NEW FAX NUMBER!!! SEE BELOW!!!

DATE:

5/1/91

TO:

Bob Hindene

FROM:

Joe Kelley

The following FAX contains 3 page(s)
including the cover sheet.

If you have any problems receiving this FAX, please call
216/447-7646.

The BFGoodrich Company
GEON VINYL DIVISION
6100 Oak Tree Blvd.
Cleveland, Ohio 44131
FAX: 216/447-6262 **

** PLEASE NOTE NEW FAX NUMBER EFFECTIVE IMMEDIATELY

21538012

BFG14910

△

Section of the U.S. Code of Federal Regulations (21 CFR)	Supplier	Parts by Weight	Chemical Description of Ingredient (Do NOT use Trade Names) Date: 2/28/2010	Please verify the material type/color and formulation identification referenced in Section IV on the reverse.	Chemical Description of Ingredient (Do NOT use Trade Names) Date: 2/28/2010
184.1229	178.2010 - Sup. Powder	76.1	PVC Resin		PVC Resin
178.2010	178.2010 - Sup. Powder	10.2	ABS Modifier		ABS Modifier
178.2010	178.2010 - Sup. Powder	2.2	Calcium Carbonate (Precipitated)		Calcium Carbonate (Precipitated)
178.2010	178.2010 - Sup. Powder	3.8	Calcium Carbonate (Precipitated)		Calcium Carbonate (Precipitated)
178.2010	178.2010 - Sup. Powder	1.5	Calcium Carbonate (Precipitated)		Calcium Carbonate (Precipitated)
178.2010	178.2010 - Sup. Powder	2.6	Titanium Dioxide R-FC6		Titanium Dioxide R-FC6
178.2010	178.2010 - Sup. Powder	0.047	Ultramarine Blue 5006		Ultramarine Blue 5006
178.2010	178.2010 - Sup. Powder	0.022	Carbon Black FDA approved		Carbon Black FDA approved
178.2010	178.2010 - Sup. Powder	0.106	Yellow PWD H86052		Yellow PWD H86052
178.2010	178.2010 - Sup. Powder	1.5	White Pigment		White Pigment
178.2010	178.2010 - Sup. Powder	1.5	White Pigment		White Pigment
178.2010	178.2010 - Sup. Powder	0.076	Stearic Acid - Single Phase Type		Stearic Acid - Single Phase Type
178.2010	178.2010 - Sup. Powder	0.076	Paraffin Wax Powder, 160-169		Paraffin Wax Powder, 160-169

Please verify the material type/color and formulation identification referenced in Section IV on the reverse.

Chemical Description of Ingredient
(Do NOT Use Trade Names)
1502 40 2 15063 700A

PLEASE PROVIDE SIGNATURE/CERTIFICATION ON REVERSE SIDE.

* Available from the Superintendent of Documents, U. S. Government, Printing Office, Washington, D.C. 20402 (202-783-3239) or your local U. S. Government Printing Office outlet.

Title 21 (Food and Drugs), Parts 1-99: General information and color additives (direct).

21 (Food and Drugs). Parts 170-199: Direct and indirect food additives, including ingredients for use in food contact materials.

உதாரணம்.

BFG14912

21538014

Henkel

Henkel Corporation
Emery Group

Fax: (216) 374-2238

Dept.: 0020

Ms. Connie Dillon
B.F. Goodrich

Dear Ms. Dillon:

This will serve to advise you that our Emery 410 Stearic Acid is not a food grade fatty acid and as such does not fall under FDA Regulations.

Regards,

R.E. Bellstrom *ll*
R.E. Bellstrom
Market Manager
Oleochemicals Group

BFG14913

21538015

PRODUCT NBR: 87241 00A 2441 87241 GRAY 2441 LOC: 12 DEPT: 5667 ISSUE: 001

SBC: 1305 EFFECTIVE DATE: 901026 INTERMEDIATE RM NBR:
TOTAL LBS RM: 131.432000 LBS PRODUCT: 131.432000 RECIPE TYPE: 2

PAGE 1 OF 1

SEQ	RAW MATL	DESCRIPTION	QUANTITY	LC	PERCENT	COMMENTS
110	961-000452	110 X 377	100.000000	12	76.0850	
210	942-710859	BLENDEX 338	13.500000		10.2715	
220	941-710700	2301 X 36	3.000000		2.2825	
310	925-710356	ULTRAFLEX H	5.000000		3.8042	
410	912-005086	MARK 1900	2.000000		1.5217	
510	924-709916	TIOXIDE R-FC6	3.500000		2.6630	
530	921-00B272	BLUE 5006	0.062000		0.0472	
540	922-710677	BLACK. MPC CHAN	0.030000		0.0228	
550	961-000543	B5435 YELG PWD	0.140000		0.1065	
610	943-00L016	MINERAL OIL USP	2.000000		1.5217	
620	943-00L034	CA STEARATE-FUS	2.000000		1.5217	
630	943-00L002	STEARIC ACID	0.100000		0.0761	
640	943-00L040	ARISTOWAX 165 P	0.100000		0.0761	

NEXT RESPONSE:

NEXT KEY:

DC90C03A RECIPE INQUIRY OK

FF5-PROP FF6-RMKS FF9-SAFE PF10-INST

2. Item - other misc parts.

3. MATERIAL Classification
is 15344-D

Connie
Dillon

from: Joe Kelly

Joe,
11/11/91
attached in the Current
NSF Form required
for potable water
applications. Please
provide data where
you can and return to
me for NSF submission.
Connie Dillon
X-3975

21538016



Geon® 87241

	ASTM Method	Value
Specific Gravity	D792	1.33
Hardness Durometer D	D2240	85
Tensile Strength (psi)	D638	6,000
Ultimate Elongation (%)	D638	130
Tensile Modulus (psi)	D638	400,000
Flexural Strength (psi)	D790	10,500
Flexural Modulus (psi)	D790	375,000
Heat Deflection Temperature	D648	
Annealed (°F., 264 psi)		169
Annealed (°C., 264 psi)		76
Unannealed (°F., 264 psi)		158
Unannealed (°C., 264 psi)		70
1/8" Izod Notched impact	D256	
(ft lbs./in.) @ 73°F. (23°C.)		12
(ft. lbs./in.) @ 0°F. (-18°C.)		0.83
Relative Spiral Flow (in. of flow)	BFG	37
Mold Shrinkage 10 ³ in./in.	D955	2-5
Flammability	U.L. 94	(V-0)

Miscellaneous: High Impact

NSF listed in certain colors

U.L. listed

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The BFGoodrich Company, Geon Vinyl Division/6100 Oak Tree Blvd., Cleveland, Ohio 44131

BFGoodrich
Geon Vinyl Division

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Printed in U.S.A.

April 1991

21538017

BFG14915

21538019

ROUTE TO: DILLON, CONNIE N

* GEON VINYL TECHNICAL DOCUMENT *

R103360 GEON VINYL RECIPE 03/17/92 10:47:41

GEON 85435 YLW FWD MB 605 LOC: 17 DEPT: 5639 ISSUE: S92
COMMODITY NO.: 85435 000 6052 EFFECTIVE DATE: 01/01/92

=====) PROCESSING INSTRUCTIONS DO NOT EXIST FOR RECIPE <=====

BFG14917

0001R71 BF GOODRICH COMPANY MESSAGE SERVICE 10:48:29
FROM: P103R360 TO: CLEVMAIN DOCUMENT: 170010 45 LINES 03/17/92

ROUTE TO: DILLON, CONNIE N

* GEON VINYL TECHNICAL DOCUMENT *

R103360 G E O N V I N Y L RECIPE 03/17/92 10:48:28

GEON 85435 YLW PWD MB 605 LOC: 17 DEPT: 5639 ISSUE: 002
COMMODITY NO.: 85435 000 6052 EFFECTIVE DATE: 01/29/92
SBC NBR: 13PM DELETE FLAG: NO
LAB REF: 40-8-59 CMPR: R. SINCLAIR
BASED ON: 85435 YELLOW PMB 605, ISS. 1 10/27/86
APPLICATION: TINTING TRANSPARENT FDA COMPOUNDS

PARTS	INGREDIENTS	SEQ	LOC	PERCENT
85.00000	961 000452 110 X 377	110	17	85.000
10.00000	935 00P057 EPOXOL 9-5	210		10.000
5.00000	921 709214 YELLOW LAKE B-3014	310		5.000
100.00000		TOTAL		100.000

TYPE SAMPLE: TO USE PREV. SAMPLE
ISSUED: TO ADD LOCTION 10.
MARKETING APPROVAL:

COLOR: 2

21538020

BFG14918

21538021

ROUTE TO: DILLON, CONNIE N

* GEON VINYL TECHNICAL DOCUMENT *

R103360

G E O N V I N Y L R E C I P E

03/17/92 10:48:28

GEON 85435 YLW FWD MB 605

LOC: 17 DEPT: 5639

ISSUE: 002

COMMODITY NO.: 85435 000 6052

EFFECTIVE DATE: 01/29/92

TESTS

LIMITS

FREQUENCY

METHOD

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=====	> PROCESSING INSTRUCTIONS COPIED FROM 854350006052 10 5772 002	<=====
=====	ON 01/29/92	=====

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BFG14919