

The BFGoodrich Company
Geon Vinyl Division
6100 Oak Tree Boulevard
Cleveland, Ohio 44131
216-447-6000

January 22, 1993

Mark J. Reo, Chemist
Compounds and Packaging Branch
Product Assessment Division
USDA
Regulatory Programs
Bldg. 306, BARC-East
Beltsville, Maryland 20705

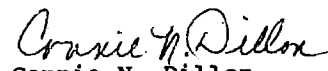
Dear Mark:

In order for you to update your files on our compound Geon 83405 Trans 002, I am submitting the current Confidential Composition for the compound.

I hope this information is satisfactory, if I can assist you further call me at (216) 447-7831.

Sincerely,

THE BFGOODRICH COMPANY


Connie N. Dillon
Regulatory and Data System Specialist

0122-1/jp

Enclosure

BFG16015

21681002

THE BFGOODRICH COMPANY
CONFIDENTIAL BUSINESS INFORMATION
GEON 83405 TRANS 002

<u>Ingredient</u>	<u>Wt. %</u>	<u>FDA Clearance</u>
Polyvinyl Chloride (CAS No. 9002-86-2)	58.121	Prior Sanction
Diethylhexyl Phthalate (CAS No. 117-81-7)	29.060	175.105; 175.300; 176.180; 175.380; 175.390; 176.170; 177.1200 (<=5%); 177.1210; 177.1400; 177.1460; 177.2600; 178.3910; 181.27
Butyl Benzyl Phthalate (CAS No. 85-68-7)	5.812	178.3740
Epoxidized Soyabean Oil (CAS No. 8013-07-8)	5.812	175.105; 175.300; 175.380; 175.390; 176.170; 176.180; 177.1210; 177.1630; 177.1650; 178.3910; 181.27; 180.1001; 182.99; 178.3740; 178.3940
Calcium/Zinc Stearate (CAS No. 8013-07-8)	.872	175.300
Phosphite Tris Nonylphexyl (CAS No. 26523-78-4)	.145	178.2010
FD&C Blue #2 Aluminum Lake C.I. 73015	.003	82.51; 82.102; 74.1102(a)
Stearic Acid (CAS. No. 57-11-4)	.174	172.860; 184.1090 (GRAS)

21681003

BFG16016

001871 DE GOODRICH COMPANY MESSAGE SERVICE 15:47:14
FROM: P103R360 TO: CLEVELAND DOCUMENT: 190002 203 LINES 01/19/93

ROUTE TO: DILLON, CONNIE A

* GEON VINYL TECHNICAL DOCUMENT *

R103360 G E O N V I N Y L RECIPE 01/19/93 15:47:14

GEON 83405 TRANS 002 LDC: 15 DEPT: 5165 ISSUE 024
COMMODITY NO.: 83405 000 0025 EFFECTIVE DATE: 02/09/88
SBC NBR: 1311 DELETE FLAG: YES
LAB REF: CMR: J. L. STEINIGER
BASED ON: 83405 TRANS 002, ISSUE 23, 2/11/88
APPLICATION: EXTRUSION

PARTS	INGREDIENTS	SEC LDC	PERCENT
100.00000	961 000277 30 GEON RESIN	120 15	50.121
50.00000	931 00P075 DIIOCTYL PHTHALATE	210	25.060
10.00000	931 00P038 SANTICIZER 160	120	5.812
10.00000	935 00P031 EPOXY SOYA	230	5.812
1.50000	915 00S072 MARK 1099	310	1.872
.25000	919 00S082 SYNPRON 241	320	1.145
.00500	921 709210 BLUE #2 - 9900 FD&C	410	1.003
.30000	943 00L022 STEARIC ACID-FDA	510	1.174
172.05500	TOTAL		100.000

SPECIFIC GRAVITY: 1.21 HARDNESS: 4075
TYPE SAMPLE: USE PREVIOUS SAMPLE COLOR: 2
ISSUED: TO CORRECT COLOR ON THE FRONT OF THE RECIPE.
MARKETING APPROVAL: J. A. SIMMONS
**** FOOD GRADE CLEANUP REQUIRED ****

MISC CMNT: NON-TOXIC CLEAN UP REQUIRED

21681004

BFG16017

03R60
 410360
 PRODUCT NO. 83405 000 0025 LOC 15 DEPT 5165 ISSUE 024
 DESCRIPTION 83405TRANS 002 SBC 1311 INT. RM.
 PAGE 1
 USERID: N50CND1A
 TERMID: PV120089
 CO. CODE G

ITEM	RM	NUMBER	DESCRIPTION	QUANTITY	USE
120	961	000277	30 GEON RESIN	100.000000	15
210	931	00P075	DIOCTYL PHTHALAT	50.000000	
220	931	00P038	SANTICIZER 160	10.000000	
230	935	00P031	EPOXY SOYA	10.000000	
310	915	00S072	MARK 3099 175.300	1.500000	
320	919	00S082	SYNPRON 241	.250000	
410	921	709212	BLUE #2 - 9902 FDC	.005000	
510	943	00L022	STEARIC ACID FDC	.300000	

Mark Heat Res USA
(301) 504-8566
Call Don 83405
Trans 002

END OF INQUIRY

KE 172.055000

Mark Nov 17 1972 Nov 4
Send 450A 1982
Recipe for Mark with sand 11/13/92 Robert Alperin
82-11-17-11-11-11
175.300
178.2215

21681005

BFG16018

11871
FROM: F103R360 SF GOODRICH COMPANY MESSAGE SERVICE 16:17:42
TO: CLEVMAIN DOCUMENT: 010015 50 LINES 06/01/92

ROUTE TO: DILLON, CONNIE N

GEON VINYL TECHNICAL DOCUMENT

R103360 G E O N V I N Y L RECIPE 06/01/92 16:17:41

GEON 83405 TRANS 002 LUC: 15 DEPT: 5165 ISSUE: 592
COMMODITY NO.: 83405 000 0025 EFFECTIVE DATE: 01/01/92
SBC NBR: 1311 DELETE FLAG: NO
LAB REF: CMFR:
BASED ON:
APPLICATION:

PARTS	INGREDIENTS	SEQ	LUC	PERCENT
58.12095	961 000277✓30 GEON RESIN	120	15	58.121
29.06047	931 00P075✓DIOCTYL PHTHALATE	210		29.060
5.81209	931 00P035✓SANTICIZER 160	220		5.812
5.81209	935 00P031✓EPOXY SOYA	230		5.812
.87181	915 00S072✓MARK 3098	310		.872
.14530	912 00S082✓SYNPRON 241	320		.145
.00298	921 705312 BLUE #2 - 9902 FD&C	410		.003
.17436	943 00L022 STEARIC ACID-FDA	510		.174
100.00000	TOTAL			100.000

SPECIFIC GRAVITY: 1.21 HARDNESS: A075
TYPE SAMPLE: COLOR: 2
ISSUED:
MARKETING APPROVAL:

**** FOOD GRADE CLEANUP REQUIRED ****

21681006

PVC
Cas. No. 7202-78-2
Diethyl Vinyl Phthalate
Cas. No. 117-81-7
Butyl Vinyl Phthalate
Cas. No. 85-68-7
Epoxidized Soybean Oil
Cas. No. 8013-07-8
S.72
175.105; 175.300; 176.180; 175.380;
175.390; 176.170; 176.210; 177.1200; 177.1210;
177.1400; 177.1460; 177.2600;
177.3910; 181.27
178.3740 (≤1% dibenzyl Phthalate)
175.105; 175.300; 175.380; 175.390; 176.170;
176.180; 177.1210; 177.1630; 177.1650; 178.3740
181.27; 180.1001; 182.99; 178.3740; 178.3940
[175.300;]
over

BFG16019