

BFGoodrich

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C1
Specialty Polymers & Chemicals Division

The BFGoodrich Company
Specialty Polymers &
Chemicals Division
9911 Brecksville Road
Cleveland, Ohio 44141-3247
216-447-5000

September 13, 1993

Dr. Gwen Ball
Toxicology Services
NSF International
P.O. Box 130140
Ann Arbor, MI 48113-0140

Dear Dr. Ball:

I am enclosing the Confidential Composition of Geon 87453-002.
The composition is being submitted to support our customer,
Excaliber.

The Geon Compound is used in the fabrication of a chemical feeder
manufactured by Rainbow Plastics.

This formulation is company confidential and therefore subject to
the generic Secrecy Agreement signed by BFGoodrich and the
National Sanitation Foundation, October 24, 1979.

Please call me at 216/447-5182 if additional data is needed.

Sincerely,

THE BFGOODRICH COMPANY
FOR THE GEON COMPANY

Connie N. Dillon

Connie N. Dillon
Regulatory and Data System Specialist

CND/amc

bcc: Doug Wetzig - CL-OTM-2

BFG16248

21719001

CONFIDENTIAL COMPOSITION
THE GEON COMPANY

GEON 87453-002

<u>INGREDIENT</u>	<u>%WT.</u>	<u>SUPPLIER</u>	<u>21 CFR</u>
Dimethyltin/monomethyltin isooctylmercaptoacetates (Cas. No. 26636-01-1 & Cas. No. 54849-38-6)	1.743	Witco	178.2010
C.I. Pigment Violet 15 (Cas. No. 12769-96-9)	0.026	Whittaker Clark	178.3297
Epoxidized Soybean Oil (Cas.No. 8013-07-08)	0.435	Viking	181.27; 175.105; 175.300; 177.1210
710883 Acrylic Processing Aid (Cas. No. 25852-37-2) P(BA/MA)	1.525	Elf Atochem	178.3790
710849 P(BD/MMA/STY)	8.021	Rohm & Haas	178.3790
Stearic Acid	0.165	Henkel/ Quantum	GRAS
Pentaerythritoladipate Stearate & Castor Oil	0.165	Henkel	178.3280 (4%); 178.3690 (0.4%)
Glycerol Monostearate	0.584	Lonza	176.200; 184.1324; 184.1505
Oxidized Polyethylene Homopolymer (Cas. No. 68441-17-8)	0.087	Allied	172.260; 175.105; 175.125; 176.180; 176.200; 176.210; 177.1200; 177.1620
PVC Resin	87.19	Shintech Chemical	Prior Sanction
87640-000-4302 P(BD/MMA/Sty)	0.052 88.451		178.3790
Epoxidized Linseed Oil (Cas. No. 8016-11-3)	2.653		178.3740
C.I. Pigment 15	8.845	Whittaker, Clark, Daniels	177.2600; 178.3297

BFG16249

21719002

NSF International
MATERIAL FORMULATION CONFIDENTIAL REPORT

Document Control Code SW00253-003 Company Number 26431 Standard Number 50
Regional Office 01 Issue Date 05/12/93 CBI Code _____
Regional Representative K. Clouse
*** DO NOT DUPLICATE ***

I. PROGRAM PARTICIPANT

RAINBOW PLASTICS
MR. KENNETH E. PRICE
3242 MEEKER AVENUE
P.O. BOX 4127
EL MONTE, CA 91732

Plant At: EL MONTE, CA 91734 -

II. MODEL(S)

Equipment Model Number(s) ~~M1,2,3,4,6, M11,2,3,4,6~~ 300C; 320C
Description of Equipment ~~Filter for Pools and Spas~~ CHEMICAL FEEDER

III. PART(S)

Description of Part(s) Pipe for Housing Body, Stand pipe
Part Number(s)
Fabricated by Excaliber
Surface Area of Part(s) (sq. in.) 300-1800 Contact Area (sq. in.) 300-1800
Part is [X] Spa/Hot Tub Water Contact
Temperature (Range) Part(s) Exposed to 40-110 degF°F

IV. SUPPLIER

Basic Material Supplier EXCALIBER [] Natural
Material Type GEON PVC/YELLOW [] Precolored:
Complete Formulation Id 87453-002 [] See Form

V. COMPOSITION OF FORMULATION AND PERTINENT DATA - USE REVERSE SIDE.
To Be Completed By Basic Material/Pigment Supplier.

*** NOTE: 21 CFR citation or other documentation required. ***

VI. CERTIFICATION

It is herein certified that this material is intended for the specific end use application. It is further certified that the information provided is accurate and complete and, that I, and the company I represent, know of no reason this material should not be used in pool/spa/hot tub water contact.

BASIC MATERIAL SUPPLIER

Company BF Goodrich
Signature Connie N. Dillon
Title Regulatory and Data Systems Specialist
Address 9911 Brecksville Road, Cleveland, OH 44141-3247
Telephone 447-5000 FAX 447-5710
Date 9-15-93

Seal in the BLUE envelope provided, insert in an outer envelope and MAIL TO:

Toxicology Services
NSF International
PO Box 130140
Ann Arbor, MI 48113-0140
Page (1)

BFG16250

21719003


110 E. CROWTHER AVE. PLACENTIA
(714) 528-8834 FAX (714) 524-
OUTSIDE CA (800) 648-66

9-13

*Joanne
preparing*

Douglas Wetzel
Geon Co.
P.O. Box 122
Avon Lake Ohio 44012

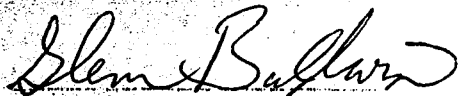
JUNE 8, 1993

RE: National Sanitation Foundation (NSF) Listing.

Dear Douglas:

In order for our customer to maintain the NSF listing on our product, it is necessary for you to complete the enclosed form and forward (in the blue envelope) to the address indicated at the bottom of the form. Please do this as soon as possible. If you have any questions or for some reason you cannot comply, please notify me immediately.

Sincerely,


Glenn Baldwin

Connie,

Please SEND
me a copy
when you are
finished for my
RECORDS.

THANKS
Doug

87453 000 0028
000 0028
030 0028

87640-000-4302

21719004

P103R60 PRODUCTION RECIPE INQUIRY PAGE 1 USERID: N50CND1A
M10360 TERMID: PV120016
PRODUCT NO. 87453 000 0028 LOC 16 DEPT 5135 ISSUE S93
DESCRIPTION 87453TRNP002 SBC 13C4 INT. RM. CO. CODE G

ITEM	RM	NUMBER	DESCRIPTION	QUANTITY	USE
110	961	000475	86X1 FG	87.120219	16
210	942	710849	PARALOID BTA 733	7.840820	
220	941	709256	PARALOID K-120ND	1.524604	
310	912	710493	MARK 1984 I	1.742404	
320	935	00P031	VIKOFLEX 7170	.217801	
410	961	000592	87640-000-4302	.046174	
420	921	00B273	VIOLET 5012 (RS-	.022651	
510	943	710339	GLYCOLUBE 825 BE	.583705	
520	943	710138	LOXIOL HOB-7107	.522721	
530	943	710867	AC-316A POLYETHY	.108900	

TOTAL 99.729999 TO MAKE 100.000000

END OF INQUIRY

P103R60 PRODUCTION RECIPE INQUIRY PAGE 1 USERID: N50CND1A
M10360 TERMID: PV120016
PRODUCT NO. 87453 020 0028 LOC 16 DEPT 5135 ISSUE 002
DESCRIPTION 87453TRNP002 SBC 13C4 INT. RM. CO. CODE G

ITEM	RM	NUMBER	DESCRIPTION	QUANTITY	USE
001	912	710493	MARK 1984 I	2.000000	
002	921	00B273	VIOLET 5012 (RS-	.026000	
003	935	00P031	VIKOFLEX 7170	.500000	
004	941	710883	METABLEN P-550	1.750000	
005	942	710849	PARALOID BTA 733	9.150000	
006	943	00L002	STEARIC ACID	.200000	
007	943	710138	LOXIOL HOB-7107	.200000	
008	943	710339	GLYCOLUBE 825 BE	.700000	
009	943	710867	AC-316A POLYETHY	.100000	
010	961	000780	110 X 334 FGAG	100.000000	
011	961	000592	87640-000-4302	.064000	

CO. CODE G
~~1.743~~
0.022

114.690000

TOTAL 114.690000 TO MAKE 114.690000

END OF INQUIRY

P103R60 PRODUCTION RECIPE INQUIRY PAGE 1 USERID: N50CND1A
M10360 TERMID: PV120016
PRODUCT NO. 87453 030 0028 LOC 16 DEPT 5135 ISSUE 002
DESCRIPTION 87453TRNSP002 SBC 13C4 INT. RM. CO. CODE G

ITEM	RM	NUMBER	DESCRIPTION	QUANTITY	USE
001	912	710493	MARK 1984 I	2.000000	
002	921	00B273	VIOLET 5012 (RS-	.030000	
003	935	00P031	VIKOFLEX 7170	.500000	
004	941	710883	METABLEN P-550	1.750000	
005	942	710849	PARALOID BTA, 733	9.200000	
006	943	00L002	STEARIC ACID	.190000	
007	943	710138	LOXIOL HOB-7107	.190000	
008	943	710339	GLYCOLUBE 825 BE	.670000	
009	943	710867	AC-316A POLYETHY	.100000	
010	961	001044	SE650A BOTTLE RE	100.000000	
011	961	000592	87640-000-4302	.060000	

CO. CODE G
~~1.743~~
0.026
0.435
1.525
8.021
0.165
0.165
0.584
0.087
0.052

114.690000

21719005

BFG16252

TOTAL 114.690000 TO MAKE 114.690000

END OF INQUIRY

P103R60

PRODUCTION RECIPE INQUIRY

PAGE 1

USERID: N50CND1A

M10360

TERMID: PV120016

PRODUCT NO. 87640 000 4302 LOC 16 DEPT 5135 ISSUE S93

DESCRIPTION 87640BLUE PD430 SBC 13PM INT. RM. 961000592

CO. CODE G

ITEM	RM	NUMBER	DESCRIPTION	QUANTITY	USE
110	942	710849	PARALOID BTA 733	88.451327	16
210	935	00P057	EPOXOL 9-5	2.653540	
310	921	00B272	BLUE 5006	8.845133	

TOTAL 99.950000 TO MAKE 100.000000

END OF INQUIRY

942 710849: EPSO (CAS. No. 8013-07-8)
P(BA/MMA/STY) CAS. No. 25053-09-2

BFG16253

21719006