

BFGoodrich

AN 4548

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The BFGoodrich Company
3925 Embassy Parkway
Akron, Ohio 44313-1799

April 25, 1990

Dr. G. L. Ball
Toxicology Services
National Sanitation Foundation
3475 Plymouth Road
P.O. Box 1468
Ann Arbor, Michigan 48105

RE: DCC #FM00012-001

Dear Dr. Ball:

I am enclosing a completed Material Formulation Confidential Report for Geon 87262, Black 296 per our recent conversation.

The composition of Geon 87262, Black 296 is confidential to The BFGoodrich Company and therefore subject to the generic secrecy agreement signed by BFGoodrich and the National Sanitation Foundation, October 24, 1979.

Sincerely,

THE BFGOODRICH COMPANY

W. C. Bachtel

W. C. Bachtel
Toxicologist
Environmental Health and
Safety Management Systems

0425-3/jp

cc: J. C. Kelley - CL-OTM-3

BFG07454

20848001

NSF Standard No. 51
MATERIAL FORMULATION CONFIDENTIAL REPORT

Mail to:
Plastics Program Director
NSF Testing Laboratory
P. O. Box 1468
Ann Arbor, Michigan 48105

Date: April 25, 1990

Office Use Only
Food Contact
Splash Contact
Nonfood Contact
Tests Required:

Chem _____
T & O _____
Clean _____
Abr _____
Impact _____
Bend _____
Heat _____

Evaluated by _____
Date Evaluated _____

1. Program Participant The BFGoodrich Company
Address 3925 Embassy Parkway
Akron, Ohio 44313-1799
2. Formula and Color Identification Geon 87262, Black 296
3. Type of Material Vinyl
4. Type of Food Contact N/A
 - I. Aqueous Products
 - II. Acid Products pH 5.5 or less
 - III. Oil Products
 - IV. Alcohol Products
 - A. 8% or less
 - B. More than 8%

Temperature

- A. Above 212°F (maximum temperature of end use)
- B. 150°F to 212°F
- C. More than 45°F - less than 150°F
- X D. 45°F or less

COMPOSITION OF FORMULATION AND PERTINENT DATA

Chemical Description of Ingredient (DO NOT USE TRADE NAMES)	Parts by Weight	Supplier Name	Trade Designation	Section of Federal Regulation under which accepted, if applicable	Chemical Abstracts Registry No.
Geon 87262, Black 296					
Polyvinyl chloride	100	BFG	Geon 30	Prior Sanctioned	9002-86-2
Butadiene-styrene-acrylonitrile	5.3	BFG	1430X20	181.32	9003-50-9
Styrene-acrylonitrile	5.0	BFG Argus	2301X36 Mark 649C	181.32	9003-54-7
Calcium carbonate	7.5	Pfizer	Super- Pflex 200	184.119, 184.1835	1317-65-3
Carbon black	0.2	Cabot	Black Pearls 880	177.2600	1333-86-4
Calcium stearate	1.75	Synthetic Products	Sympro B-12	178.2010	1592-23-0
		C O N F I D E N T I A L			
		Mallinkrodt	Hydense RSN		
		Witco	Calcium Stearate FG		
Mineral oil, USP	2.0	Witco	Draekol 35 Kaydol BT-90	178.3620	8042-47-5
Butyltin thioglycolate	0.815	M&T Argus	Thermolite T-73 Mark 649C		15666-29-2 25168-24-5

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It is hereby certified that this material meets any applicable requirements of the Federal Food, Drug and Cosmetic Act as amended.

Signature

W. C. Bachtel

Title

W. C. Bachtel
Toxicologist

Date

April 25, 1990

3-19-82

* GEON VINYL RESTRICTED / TECHNICAL DOCUMENT *

R103360 G E O N V I N Y L RECIFE 04/10/90 10:10:33

PARTS	INGREDIENTS	SEQ	LOC	PERCENT
100.00000	961 000277 30 GEON RESIN 100	110	12	81.466
5.30000	942 710701 1430 X 20	210		4.318
5.00000	941 710700 2301 X 36	220		4.073
1.00000	912 008075 TIN THIOGLYCOLATE	310		.815
7.50000	925 709635 SUPER-PFLEX 200	410		6.110
	952 00D032 DEMINERALIZED WATER	510		
.20000	922 00B046 BLACK PEARLS 880	610		.163
1.75000	943 00L034 CA STEARATE-FUSED	710		1.426
2.00000	943 00L016 MINERAL OIL VSP	720		1.629
122.75000		TOTAL		100.000

MISC CMNT: ADD D-32 (WATER) AS AN INGREDIENT TO HENSCHEL OR RIBBON BLENDER @ 0.2 TO 0.5 PPR. ADJUST AS REQUIRED.

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ROUTE TO: BATH COMPUTER ROOM

* GEON VINYL RESTRICTED / TECHNICAL DOCUMENT *

R103360

GEON VINYL RECIPE

04/10/90 10:10:3

GEON 87262 BLACK 296
COMMODITY NO.: 87262 000 2960

LOC: 12 DEPT: 5667 ISSUE: 001
EFFECTIVE DATE: 05/01/89

TESTS -----	LIMITS -----	FREQUENCY -----	METHOD -----
EXTRUSION			
A. SWELL	TBD	CUM. EVERY OTHER BOX OR EACH SKID	1285A
B. SURFACE	SMOOTH, NO LUMPS, NO PITS, NO SPIRAL		
REFORMS	SMOOTH 15 SEC @ 20,000 PSI	CUM. EVERY BOX OR EACH 1/2 SKID	548A
CUBE SIZE	14-30 CUBES/G	PRODUCTION DISCRETION	794
TAILNG & FINES	LAB TO CHECK ALL GRAB SAMPLES FOR TAILINGS OVER 1/2" OR ABNORMALLY HIGH FINES. NOTIFY PRODUCTION OF ANY PROBLEMS.		
COLOR & CONTM	COLOR 2 BY EYE	CUM EACH BOX OR 1/2 SKID	971
USE 8700A-296A COLOR LAB SAMPLE AS STANDARD	(CIE-LAB, 1976) DL*=0+/-1.2 DA*=0+/-1.0 DB*=0+/-1.0	START UP AND EACH PIGMENT LOT CHANGE FOR COLOR 1 SPECS	1067
CONTAMINATION	USE 80 MESH EXTRUSION, 3 LBS SAMPLE PER 40,000 LBS. LOOK FOR PAPER, METAL, WOOD, CALCIUM, BURNT PARTICLES. REPORT TO PRODUCTION ANY UNUSUAL CONTAMINATION.		TBD

COMPOUNDING INSTRUCTIONS:

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1. USE 87262 PROCEDURE.
 2. RUN BRICK TEMPERATURE AT 325-335F AS CALIBRATED WITH NEEDLE PYROMETER. RUN MELT ON MILL AT 335-345F AS CALIBRATED WITH A SLIDING SURFACE PYROMETER.
 3. REWORK 10% MAXIMUM. PREVIOUSLY OVERHEATED COMPOUND MUST NOT BE USED. IF IT IS MORE THAN 1% HIGH ON SWELL OR HAS POOR REFORM, DON'T USE IT.
 4. PACKAGE IN PE LINED AND TIED BAGS OR GAYLORDS.

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=====> PROCESSING INSTRUCTIONS COPIED FROM 872620002870 12 5667 002 <=====

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Campbell !!

0.01 m/100 m
1000 m/100 m

70 →
72

Swin - NSF

10K

Frd -

White 119 -

Letters Black 294

20848006

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200 FM02.0 17 00.1

Guin

White 119

Black 286

Part sent in by extrusion
Doc in guest.

② 87438 grey 200

20848007

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