

U.S. DEPARTMENT OF LABOR
WORKPLACE STANDARDS ADMINISTRATION
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION I

MANUFACTURER'S NAME The B.F. Goodrich Co.-B.F. Goodrich Chemical Co., Div.		EMERGENCY TELEPHONE NO. 216-524-0200
ADDRESS (Number, Street, City, State, and ZIP Code) 6100 Oak Tree Boulevard, Cleveland, Ohio 44131		
CHEMICAL NAME AND SYNONYMS Polyvinyl Chloride Resin	TRADE NAME AND SYNONYMS Geon 121	
CHEMICAL FAMILY Polymer	FORMULA (CH ₂ CHCl) _n	

SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS Not Applicable			BASE METAL Not Applicable		
CATALYST " "			ALLOYS " "		
VEHICLE " "			METALLIC COATINGS " "		
SOLVENTS " "			FILLER METAL PLUS COATING OR CORE FLUX "		
ADDITIVES " "			OTHERS " "		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

Not Applicable

BOILING POINT (°F.) Not Applicable		SPECIFIC GRAVITY (H ₂ O=1)	1.4
VAPOR PRESSURE (mm Hg) "		PERCENT VOLATILE BY VOLUME (%) Not Applicable	
VAPOR DENSITY (AIR=1) "		EVAPORATION RATE (= 1) " "	
SOLUBILITY IN WATER	Slight	Particle Size, 100% through 200 mesh	
APPEARANCE AND ODOR	White powder, bland odor		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used) Not Applicable	FLAMMABLE LIMITS Not Applicable	Let	Uel
EXTINGUISHING MEDIA	Water		
SPECIAL FIRE FIGHTING PROCEDURES Self contained breathing apparatus for fires in closed areas such as warehouses.			
UNUSUAL FIRE AND EXPLOSION HAZARDS When forced to burn, PVC will mainly contribute carbon monoxide, carbon dioxide and hydrogen chloride as gases and smoke.			



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SECTION V HEALTH HAZARD DATA	
THRESHOLD LIMIT VALUE	Not Applicable
EFFECTS OF OVEREXPOSURE	In over thirty years of manufacturing PVC we have not had a serious problem with dermatitis or inhalation of PVC powder.
EMERGENCY AND FIRST AID PROCEDURES	Normal cleanliness.

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Not Applicable
INCOMPATIBILITY (Materials to avoid) None Known			
HAZARDOUS DECOMPOSITION PRODUCTS See Section IV.			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

NOTE: Wet resin is slippery.
WASTE DISPOSAL METHOD Sanitary landfill or incineration. If incineration is used, recognition should be made that carbon monoxide and dioxide and hydrogen chloride are generated.

SECTION VIII SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) Normally none-if operation whips up powder use B. of Mines approved dust protector.		
VENTILATION	LOCAL EXHAUST At mixing operations and at hot end of processing machine.	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES	Normally None	EYE PROTECTION Normally None - Safety Glasses
OTHER PROTECTIVE EQUIPMENT See Section IV		

SECTION IX SPECIAL PRECAUTIONS
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Normal cleanliness. Isolation in storage from large amounts of easily combustibles, heat and ignition sources is desirable.
OTHER PRECAUTIONS

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O.S.H.A. Material Safety Data Sheets

Geon Resins

Refer to attached M.S.D.S. plus Commodity Name Change - Sect. I

1. Geon Resins 121-124-124F1-120X241-120X251

Completed form as attached.

2. Geon Resins 135-130X10

Completed form as attached plus change

A. Sect. I - "Copolymer of vinyl chloride/vinyl acetate"

3. Geon Resins 128-128F1-120X270

Completed form as attached plus change

A. Sect. III - "White powder, practically odorless"

4. Geon Resin 106F2

Completed form as attached plus change

A. Sect. III - "Particle size, 99.5% through 100 mesh"
" " "White powder, practically odorless"

5. Geon Resin 202

Completed form as attached plus change

A. Sect. I - "Copolymer of vinyl chloride and vinylidene chloride"

B. Sect. III - "Particle size, 100% through 40 mesh"
" " "White powder, practically odorless"

6. Geon Resin 101F4

Completed form as attached plus change

A. Sect. III - "Particle size, 99% through 100 mesh"
" " "White powder, practically odorless"

7. Geon Resins 101-102EP-103EP-104EP-105EP-106-140X4-140X5-140X6-140X30
140X31-80X4-80X5-80X6

Completed form as attached plus change

A. Sect. III - "Particle size, 100% through 40 mesh"
" " "White powder, practically odorless"



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8. Geon Resins 92-93-99

Completed form as attached plus change

- A. Sect. III - "Particle size, 100% through 30 mesh"
- " " "White powder, practically odorless"

9. Geon Resins 421-427-428-432-400X47-440X30

Completed form as attached plus change

- A. Sect. I - "Copolymer of vinyl chloride and vinyl acetate"
- B. Sect. III - "Specific Gravity - (list by commodity)"
- " " "% Volatile by weight - <3%*"
- " " "White powder, slight sweet odor"
- " " "Particle size, 100% through 42 mesh"

10. Geon Resin 443

Completed form as attached plus change

- A. Sect. I - "Carboxyl containing copolymer of vinyl chloride and vinyl acetate"
- B. Sect. III - "Specific Gravity, 1.33"
- " " "% Volatile by weight, <3%*"
- " " "Particle size, 100% through 42 mesh"
- " " "White powder, slight sweet odor"
- C. Sect. VI - "pH at 33% in water, 2.5"

11. Geon 440X24

Completed form as attached plus change

- A. Sect. I - "Partially hydrolyzed copolymer of vinyl chloride and vinyl acetate"
- B. Sect. III - "Specific Gravity, 1.38"
- " " "% Volatile by weight, <3%*"
- " " "Particle size, 100% through 24 mesh"
- " " "White to light yellow powder, slight sweet odor"
- C. Sect. VI - "pH at 33% in water, 3.0"

*B.F.Goodrich Procedure No. 362-E, primarily vinyl acetate and some water.

**B.F.Goodrich Procedure No. 362-E, primarily vinylidene chloride and some water.



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12. Geon 222

Completed form as attached plus change

A. Sect. I - "Copolymer of vinyl chloride and vinylidene chloride"

B. Sect. III - "Specific Gravity, 1.52"

" " "% Volatile by weight, < 2.0%**"

" " "Particle size, 100% through 28 mesh"

" " "Light yellow to tan powder, practically odorless"

13. Geon Hi Temp Resins 601X540-603X560-605X560-607X570

Completed form as attached plus change

A. Sect. I - "Chlorinated PVC Resin"

B. Sect. III - "Specific Gravity, 1.56"

" " "% Volatile by weight, < 1.0%"

" " "Particle size, 100% through 28 mesh"

" " "White powder, practically odorless"



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