

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 43-R1357

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Uniroyal Chemical - Division of Uniroyal, Inc.		EMERGENCY TELEPHONE NO. 203/723-3000
ADDRESS (Number, Street, City, State, and ZIP Code) Elm St. - Naugatuck, Connecticut 06770		
CHEMICAL NAME AND SYNONYMS Polyvinyl Chloride, PVC	TRADE NAME AND SYNONYMS MARVINOL® 22	
CHEMICAL FAMILY Polymerized chlorinated hydrocarbon	FORMULA (-H ₂ CCHCl) _n	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NOTE: May contain trace amounts of					
vinyl chloride monomer. OSHA Regulation					
#1910.93q sets 1ppm TLV limit.					

URL 07761

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H ₂ O=1)	1.4
VAPOR PRESSURE (mm Hg.)	NA	PERCENT VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (_____ = 1)	NA
SOLUBILITY IN WATER	insoluble		
APPEARANCE AND ODOR . White powder with no significant odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NA	FLAMMABLE LIMITS	LeI	Uel
EXTINGUISHING MEDIA	Water spray			
SPECIAL FIRE FIGHTING PROCEDURES	Respiratory protection may be needed due to release of corrosive gases under fire conditions.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Corrosive gases may be liberated under intense heat condition			

SECTION V - HEALTH HAZARD DATA MARVINOL® 22	
THRESHOLD LIMIT VALUE	OSHA STD. (#1910.93q) sets 5 ppm ceiling and
EFFECTS OF OVEREXPOSURE	1 ppm TLV for vinyl chloride monomer. No adverse effects
	known associated with handling or use of Marvinol 22.
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
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	
Sweep up powder and discard.	
WASTE DISPOSAL METHOD	
Sanitary land fill.	

SECTION VIII - SPECIAL PROTECTION INFORMATION		
RESPIRATORY PROTECTION (Specify type) Dust mask advised. Monitor workplace for VCM in air.		
VENTILATION	LOCAL EXHAUST	X
	MECHANICAL (General)	
PROTECTIVE GLOVES		EYE PROTECTION
OTHER PROTECTIVE EQUIPMENT		Goggles
Refer to #1910.93q.		

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store in well-ventilated area.	
Any intensive mixing operations should be equipped with efficient exhaust ventilation.	
OTHER PRECAUTIONS	

DATE: February 23, 1972



UNIROYAL CHEMICAL
Division of UNIROYAL, Inc.
Elm Street
Naugatuck, Connecticut 06770
203-728-5241

PRODUCT SAFETY DATA SHEET

Trade Name: MARVINOL[®]50
Uses: Blending resin
Chemical Name: Polyvinyl Chloride

Chemical and Physical Properties

Appearance: White powder
Melting Point: Will soften when heated
Solubility: Insoluble in water
Specific Gravity: 1.4
Corrosivity: Not corrosive
Volatility: Not volatile

URL 07763

Fire and Explosion Hazard

Flash Point: NA
Autoignition Temperature: NA
Special Decomposition/Reactivity Precautions: None
Fire Fighting Media and Procedures: Water spray

NOTES: Corrosive gases may be liberated under burning conditions.

Health Related Data

Specific Hazard: None

Handling Precautions: None

First Aid Procedures: None

Toxicology Background: Synthetic polymer generally recognized
as being physiologically inert.

URL 07764

Storage and Waste Disposal

Storage: Store in cool, dry place.

Cleanup: May be swept up.

Disposal: Sanitary landfill.

Data Supplied By: R. J. DOWLING

DATE: November 17, 1972

UNIROYAL

UNIROYAL CHEMICAL
Division of UNIROYAL, Inc.
Elm Street
Naugatuck, Connecticut 06770
203-729-5241

PRODUCT SAFETY DATA SHEET

Trade Name: MARVINOL 56
Uses: Blending resin
Chemical Name: Polyvinyl Chloride - Polyvinyl Acetate Resin

Chemical and Physical Properties

Appearance: White powder
Melting Point: Will soften when heated
Solubility: Insoluble in water
Specific Gravity: 1.38
Corrosivity: Not corrosive
Volatility: Not volatile

Fire and Explosion Hazard

Flash Point: NA
Autoignition Temperature: NA
Special Decomposition/Reactivity Precautions: None
Fire Fighting Media and Procedures: Water spray

NOTES: Corrosive gases may be liberated under burning conditions.

URL 07765

Health Related Data

Specific Hazard: None

Handling Precautions: None

First Aid Procedures: None

Toxicology Background: Synthetic polymer generally recognized as being physiologically inert.

URL 07766

Storage and Waste Disposal

Storage: Store in cool, dry place.

Cleanup: May be swept up.

Disposal: Sanitary landfill.

Data Supplied By: R. J. DOWLING

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 43-H1387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Uniroyal Chemical - Division of Uniroyal, Inc.		EMERGENCY TELEPHONE NO. 203/723-3000
ADDRESS (Number, Street, City, State, and ZIP Code) Elm St. - Naugatuck, Connecticut 06770		
CHEMICAL NAME AND SYNONYMS Polyvinyl Chloride, PVC	TRADE NAME AND SYNONYMS MARVINOL® 5051	
CHEMICAL FAMILY Polymerized chlorinated hydrocarbon	FORMULA (-H ₂ CCHCl) _n	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
NOTE: May contain trace amounts of					
vinyl chloride monomer.					

UPL 07767

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H ₂ O=1)	1.4
VAPOR PRESSURE (mm Hg.)	NA	PERCENT VOLATILE BY VOLUME (%)	NA
VAPOR DENSITY (AIR=1)	NA	EVAPORATION RATE (-----=1)	NA
SOLUBILITY IN WATER	insoluble		
APPEARANCE AND ODOR	White powder with no significant odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	NA	FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA	Water spray			
SPECIAL FIRE FIGHTING PROCEDURES	Respiratory protection may be needed due to release of corrosive gases under fire conditions.			
UNUSUAL FIRE AND EXPLOSION HAZARDS				
Corrosive gases may be liberated under intense heat conditions				

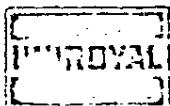
SECTION V - HEALTH HAZARD DATA		MARVINOL® 5051
THRESHOLD LIMIT VALUE	OSHA Emergency Temporary Std. (#1910.93q) set 50 ppm	
EFFECTS OF OVEREXPOSURE	ceiling for vinyl chloride monomer. No adverse effects known associated with handling or use of Marvinol 22.	
EMERGENCY AND FIRST AID PROCEDURES		

SECTION VI - REACTIVITY DATA			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
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	
Sweep up powder and discard.	
WASTE DISPOSAL METHOD	
Sanitary land fill.	

SECTION VIII - SPECIAL PROTECTION INFORMATION			
RESPIRATORY PROTECTION (Specify type) Dust mask advised			
VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL (General)		OTHER
PROTECTIVE GLOVES		EYE PROTECTION Goggles	
OTHER PROTECTIVE EQUIPMENT			

SECTION IX - SPECIAL PRECAUTIONS	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Store in well-ventilated area.	
Any intensive mixing operations should be equipped with efficient exhaust ventilation.	
OTHER PRECAUTIONS	



DATE: February 23, 1972

UNIROYAL CHEMICAL
Division of UNIROYAL, Inc.
Elm Street
Naugatuck, Connecticut 06770
203-725-5241

PRODUCT SAFETY DATA SHEET

Trade Name: MARVINOL[®]5800
Uses: Blending resin
Chemical Name: Polyvinyl Chloride

Chemical and Physical Properties

Appearance: White powder
Melting Point: Will soften when heated
Solubility: Insoluble in water
Specific Gravity: 1.4
Corrosivity: Not corrosive
Volatility: Not volatile

Fire and Explosion Hazard

Flash Point: NA
Autoignition Temperature: NA
Special Decomposition/Reactivity Precautions: None
Fire Fighting Media and Procedures: Water spray

NOTES: Corrosive gases may be liberated under burning conditions. Product is self-extinguishing.

URL 07769

Health Related Data:

Specific Hazard: None

Handling Precautions: None

First Aid Procedures: None

Toxicology Background: Synthetic polymer generally recognized as being physiologically inert.

URL 07770

Storage and Waste Disposal

Storage: Store in cool, dry place.

Cleanup: May be swept up.

Disposal: Sanitary landfill.

Data Supplied By: R. J. DOWLING