RFP #6

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

Form Approved
OMB No. 44-R1387

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	EMERGENCY TELEPHONE NO.
Uniroyal Chemical - Division of Uniroyal, Inc.	203/723-3000

ADDRESS (Number, Street, City, State, and ZIP Code)
Elm St. - Naugatuck, Connecticut 06770

CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS
Polyvinyl Chloride, PVC	MARVINOL® 22
CHEMICAL FAMILY	**FORMULA**
Polymerized chlorinated hydrocarbon	$(-H_2CCHCl)_n$

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 00805

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H_2O=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)	FLAMMABLE LIMITS	Lel	Uel
NA			

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.

(Continued on reverse side)

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	

INCOMPATABILITY *(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.

URL 00806

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION *(Specify type)*: Dust mask advised. Monitor workplace for VCM in air.

VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL *(General)*		OTHER

PROTECTIVE GLOVES

EYE PROTECTION: Goggles

OTHER PROTECTIVE EQUIPMENT: 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

Form OSHA-20
Rev. May 72

DATE: February 23, 1972

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

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

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 00807

Health Related Data

Specific Hazard: None

Handling Precautions: None

First Aid Procedures: None

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

UAL 00808

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 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 00809

Health Related Data

Specific Hazard: None

Handling Precautions: None

First Aid Procedures: None

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

URL 00810

Storage and Waste Disposal

Storage: Store in cool, dry place.

Cleanup: May be swept up.

Disposal: Sanitary landfill.

Data Supplied By: R. J. DOWLING

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SECTION I

MANUFACTURER'S NAME	EMERGENCY TELEPHONE NO.
Uniroyal Chemical - Division of Uniroyal, Inc.	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 $(-H_2CCHCl)_n$

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.		

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	NA	SPECIFIC GRAVITY (H_2O=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	Lel	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			

URL 00911

(Continued on reverse side)

SECTION V - HEALTH HAZARD DATA MARVINOL® 5051

THRESHOLD LIMIT VALUE	OSHA Emergency Tenporary 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 72.
EMERGENCY AND FIRST AID PROCEDURES	

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATABILITY *(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.

URL 00812

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.
OTHER PRECAUTIONS	Any intensive mixing operations should be equipped with efficient exhaust ventilation.

DATE: February 23, 1972

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

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 00813

Health Related Data:

Specific Hazard: None

Handling Precautions: None

First Aid Procedures: None

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

URL 00814

Storage and Waste Disposal

Storage: Store in cool, dry place.

Cleanup: May be swept up.

Disposal: Sanitary landfill.

Data Supplied By: R. J. DOWLING