

# MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



## Q-PRIM MP 2070 ADVANCED EPOXY WHITE PRIMER

MSDS Number: P0076

Revision Date: 10/09/13

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Quill Hair & Ferrule LTD  
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Product Name: Q-PRIM MP 2070 ADVANCED EPOXY WHITE PRIMER  
Revision Date: 10/09/13  
MSDS Number: P0076  
Common Name: Undercoat  
Product Code: QPRIMMP2070  
Chemical Formula: Complex Mixture  
Product Use: Paint

24 Hours Emergency Number 1-800-451-8346

### 2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Ingestion; Inhalation; Skin  
Target Organs: Eyes; Skin; Respiratory system; Central nervous system; Hematopoietic system; Blood; Kidneys; Liver; Lymphoid system  
Inhalation: Anesthetic, may cause respiratory irritation and CNS depression. Can cause irritation and inflammation of the respiratory tract. Minimal respiratory tract irritation may occur with exposure to a large amount of material.  
Skin Contact: May cause irritation, tearing and redness.  
Eye Contact: May cause irritation.  
Ingestion: Aspiration hazard: Harmful or fatal if swallowed.

HMIS II-ratings (scale 0-4): Health = 1, Fire = 3, Reactivity = 0  
HMIS® Rating H1/F3/PH0  
NFPA-ratings (scale 0-4): Health = 1, Fire = 3, Reactivity = 0

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Cas #	Range	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
13463-67-7	23%	Titanium dioxide	10mg/m3	10mg/m3
1330-20-7	6%	Xylene	100	100
540-88-5	1-5%	tert-Butyl acetate	200	200
108-10-1	11%	Methyl isobutyl ketone	100	50
25036-25-3	15-20%	Bisphenol A Diglycidyl ether	N/A	N/A
14808-60-7	10%	Crystalline Silica	10mg/m3	10mg/m3
25068-38-6	1-5%	Epoxy Resin	N/A	N/A
107-98-2	1-5%	Propylene glycol methyl ether	100	100

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100-41-4		1%	Ethyl Benzene		100		100
60580-61-2		.39%	Zinc Compound		N/A		N/A

### 4 FIRST AID MEASURES

**Inhalation:** If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.  
**Skin Contact:** Promptly flush skin with water until all chemical is removed. Get medical attention if needed.  
**Eye Contact:** Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.  
**Ingestion:** Seek immediate medical attention. Induce vomiting

### 5 FIRE FIGHTING MEASURES

**Flash Point:** 73F  
**LEL:** .8%  
**UEL:** 12%  
**Flammability Classification:** NFPA Class 1B flammable liquid

Dry powder, water spray, dry chemical, carbon dioxide, alcohol foam. Do not use a solid stream of water since the stream will scatter and spread the fire. Water spray may be used to keep fire exposed containers cool, dilute spills to nonflammable mixtures, protect personnel attempting to stop leak and disperse vapors.

### 6 ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Absorb spill with inert material, then place in chemical waste container. Remove/Dispose of in a manner consistent with federal and local law. Do not use combustible materials, such as saw dust. Do not flush to sewer. If a leak or spill has not ignited, use water spray to disperse the vapors, to protect attempting to stop leak and to flush spills away from exposures.

### 7 HANDLING AND STORAGE

**Handling Precautions:** Protect against physical damage.  
**Storage Requirements:** Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing. Protect against physical damage. Outside or detached storage is preferred. Separate from oxidizing materials. Containers should be bonded and grounded from transfers to avoid static sparks. Storage and use areas should be No smoking areas. Containers of the material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

### 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** N/A  
**Protective Equipment:** HMIS PP, D | Face Shield and Eye Protection, Gloves, Apron  
Wear appropriate respirator when ventilation is inadequate or when spraying

### 9 PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	White Liquid	<b>Boiling Point:</b>	205 F
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	
<b>Odor:</b>	Mild	<b>Solubility:</b>	slight
<b>pH:</b>		<b>Spec Grav./Density:</b>	1.54
<b>Vapor Pressure:</b>	13.0 mmHg @ 68 F		
<b>Vapor Density:</b>	Heavier than air		

**VOC:** 359 GRAMS PER LITER 3.0 LBS PER GALLON  
**Evap. Rate:** Slower than Ether  
**Percent Volatile:** 53%

### 10 STABILITY AND REACTIVITY

**Stability:** Product is stable under normal conditions.  
**Conditions to avoid:** Oxidation promoting conditions ( Heat, Sunlight and Air).  
**Materials to avoid (incompatibility):** Strong Acids  
**Hazardous Decomposition products:** Carbon dioxide, oxides of nitrogen, carbon monoxide  
**Hazardous Polymerization:** Will not occur.

### 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Bisphenol A	LD 50	N/A	Oral	Rat
Diglycidyl Ether	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Crystalline Silica	LD 50	500 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Epoxy Resin	LD 50	11400 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	23.4 g/kg	Dermal	Rabbit

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ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Titanium dioxide	LD 50	10 g/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Propylene Glycol	LD 50	5660 mg/kg	Oral	Rat
Methyl Ether	LC 50	10000 ppm / five hours	Inhalation	Rat
	LD 50	13000 mg/kg	Dermal	Rabbit
Ethyl Benzene	LD 50	3500 mg/kg	Oral	Rat
	LC 50	64000 ppm / four hour	Inhalation	Rat
	LD 50	15800 mg/kg	Dermal	Rabbit
Zinc Compound	LD 50	10000 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
tert-Butyl acetate	LD 50	4500 mg/kg bwt	Oral	Rat
	LC 50	4211 ppm / six hours	Inhalation	Rat
	LD 50	>2000 mg/kg bwt	Dermal	Rabbit
Xylene	LD 50	4300 mg/kg	Oral	Rat
	LC 50	5000 ppm / four hours	Inhalation	Rat
	LD 50	>1700 mg/kg	Dermal	Rabbit
Methyl isobutyl ketone	LD 50	2080 mg/kg	Oral	Rat
	LC 50	>2000 ppm / four hours	Inhalation	Rat
	LD 50	20 ml/kg	Dermal	Rabbit

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### ECOLOGICAL INFORMATION

Environmental Fate: When released into the soil, this material is not expected to evaporate significantly. When released into the soil, this material may leach into groundwater. When released into the soil, this material may biodegrade to a moderate extent. When released into water, this material is not expected to evaporate significantly. When released into water, this material may biodegrade to a moderate extent. This material has an estimated bioconcentration factor (BCF) of less than 100. This material is not expected to significantly bioaccumulate. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals, When released into the air, this material is expected to have the half-life of less than one day.

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### 13 DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### 14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3

DOT:Paint, 3, UN1263, PG III

IATA:Paint, 3, UN1263, PG III

MULTI-MODAL:Paint, 3, UN1263, PG III

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Titanium dioxide (13463-67-7 10-20%) MASS, OSHAWAC, PA, TXAIR

\*n-Butyl acetate (123-86-4 10-15%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

\*Xylene (1330-20-7 1-5%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

\*Methyl ethyl ketone (78-93-3 10-15%) CERCLA, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

\*Bishenol A Diglycidyl Ether (25036-25-3 10-20%) TSCA

\*tert-Butyl acetate (540-88-5 5-10%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

\*Crystalline silica (14808-60-7 10%) MASS, OSHAWAC, TXAIR,

\*Methyl isobutyl ketone (108-10-1 5-10%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

\*Propylene Glycol methyl ether (107-98-2 1-5%) MASS, OSHAWAC, PA, TSCA, TXAIR,

\*Ethyl Benzene (100-41-4 1%) CERCLA, CSWHS, EPCRAWPC, HAP MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TXAIR

\*Zinc compound (60580-61-2 .39%) SARA313, TSCA

#### REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance  
CSWHS = Clean Water Act Hazardous substances  
MASS = MA Massachusetts Hazardous Substances List  
OSHA = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
EPCRAWPC = EPCRA water Priority Chemicals  
NJHS = NJ Right-to-Know Hazardous Substances  
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
TXHWL = TX Hazardous Waste List  
SARA313 = SARA 313 Title III Toxic Chemicals

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TSCA = Toxic Substances Control Act  
HAP = Hazardous Air Pollutants  
HWRCA = RCRA Hazardous Wastes  
NRC = Nationally Recognized Carcinogens  
PRIPOL = Clean Water Act Priority Pollutants  
PROP65 = CA Prop 65  
TOXICPOL = Clean Water Act Toxic Pollutants

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### **OTHER INFORMATION**

Quill Hair & Ferrule LTD believes that the data contained herein is accurate and derived from qualified sources. The data is not to be taken as a warranty or representation for which Quill Hair & Ferrule LTD assumes legal responsibility. It is offered solely for your consideration, investigation, and verification. Any use of this data and information should be determined by the end user in accordance with Federal, State and local laws and regulations.

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**END OF MSDS DOCUMENT**