

# MSDS Material Safety Data Sheet

**Quill Hair & Ferrule LTD**



## Q-BASE PB 0005 PLASTIC MOLDABLE BINDER

MSDS Number: P0072

Revision Date: 10/01/11

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Quill Hair & Ferrule LTD  
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P.O. Box 23927  
Columbia, SC 29224

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**Product Name:** Q-BASE PB 0005 PLASTIC MOLDABLE BINDER  
**Revision Date:** 10/01/11  
**MSDS Number:** P0072  
**Common Name:** Topcoat  
**Product Code:** QBASEPB0005  
**Chemical Formula:** Complex Mixture  
**Product Use:** Topcoat

**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 #	Perc.	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
1330-20-7	1-3%	Xylene	100	100
71-36-3	20-25%	n-Butyl alcohol	20	100
108-88-3	10-15%	Toluene	20	100
64-17-5	30-35%	Ethanol Denatured	1000	1000
78-93-3	10-15%	Methyl ethyl ketone	200	200
67-56-1	1-3%	Methyl alcohol	200	200

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### 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:** Get prompt, qualified medical attention. Seek immediate medical attention. Induce vomiting.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** 65 DEGREES F  
**LEL:** 1.1%  
**UEL:** 36.0%  
**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

**Appearance:** Colorless liquid.  
**Physical State:** Liquid  
**Boiling Point:** 148F - 340F  
**Odor:** Faint ethereal & sweetish  
**Freezing/Melting Pt.:** N/A

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pH:	odor.	Solubility:	Miscible 79.4
Vapor Pressure:	N/A	Spec Grav./Density:	.88
Vapor Density:	20 mmHg @ 20 C		
	2.4		
VOC:	722 GRAMS PER LITER	6.02 LBS PER GALLON	
Evap. Rate:	1.75		
Percent Volatile:	86.9%		

### 10 STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to avoid:</b>	Oxidation promoting conditions ( Heat, Sunlight and Air), and high temperature
<b>Materials to avoid (incompatibility):</b>	Strong Oxidizing Agents, alkalis, may attack metallic aluminum at high temperature
<b>Hazardous Decomposition products:</b>	Carbon dioxide, peroxides, carbon monoxide
<b>Hazardous Polymerization:</b>	Will not occur.

### 11 TOXICOLOGICAL INFORMATION

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ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Xylene	LD 50	4300 mg/kg	Oral	Rat
	LC 50	5000 ppm / four hours	Inhalation	Rat
	LD 50	> 1700 mg/kg	Dermal	Rabbit
n-Butyl alcohol	LD 50	2.5 g/kg	Oral	Rat
	LC 50	8000 ppm / four hours	Inhalation	Rat
	LD 50	> 10 ml/kg	Dermal	Rabbit
Methyl Ethyl Ketone	LD 50	4000 mg/kg	Oral	Rat
	LC 50	450 ppm / four hours	Inhalation	Rat
	LD 50	2000 mg/kg	Dermal	Rabbit
Toluene	LD 50	636 mg/kg	Oral	Rat
	LC 50	49000 mg/m <sup>3</sup> / four hours	Inhalation	Rat
	LD 50	12267 mg/kg	Dermal	Rabbit
Ethanol	LD 50	7060 mg/kg	Oral	Rat
	LC 50	64000 ppm / four hours	Inhalation	Rat
	LD 50	15800 mg/kg	Dermal	Rabbit
Methyl Alcohol	LD 50	5600 mg/kg	Oral	Rat
	LC 50	64000 ppm / four hours	Inhalation	Rat
	LD 50	15800 mg/kg	Dermal	Rabbit

### 12

### 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.

### 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.

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### TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3

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DOT:Paint, 3, UN1263, PG II

IATA:Paint, 3, UN1263, PG II

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

### 15 REGULATORY INFORMATION

\*Xylene (1330-20-7 1-3%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TXAIR, TXHWL

\*n-Butyl alcohol (71-36-3 20-25%) CERCLA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TXAIR, TXHWL

\*Toluene (108-88-3 10-15%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TXAIR, TXHWL

\*Ethanol or Ethyl alcohol or Ethanol solutions or Ethyl alcohol solutions (64-17-5 30-35%) MASS, OSHAWAC, PA, TXAIR

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

\*Methyl alcohol (67-56-1 1-3%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

#### REGULATORY KEY DESCRIPTIONS

- HAP = Hazardous Air Pollutants
- 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
- CERCLA = Superfund clean up substance
- CSWHS = Clean water Act Hazardous substances
- EHS302 = Extremely Hazardous Substance
- EPCRAWPC = EPCRA Water Priority Chemicals
- NJEHS = NJ Extraordinarily Hazardous Substances
- NJHS = NJ Right-to-Know Hazardous Substances
- NRC = Nationally Recognized Carcinogens
- OSHAHTS = OSHA Hazardous and Toxic Substances
- OSHA PSM = OSHA Chemicals Requiring process safety management
- PROP65 = CA Prop 65
- SARA313 = SARA 313 Title III Toxic Chemicals
- TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
- TXHWL = TX Hazardous Waste List
- HWRCRA = RCRA Hazardous Wastes
- PRIPOL = Clean Water Act Priority Pollutants
- TOXICPOL = Clean Water Act Toxic Pollutants
- TSCA = Toxic Substances Control Act

### 16 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.

END OF MSDS DOCUMENT