

# MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



## Q-BASE UB 2088 MATTE URETHANE BINDER

MSDS Number: P0041

Revision Date: 06/01/10

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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 UB 2088 MATTE URETHANE BINDER  
Revision Date: 06/01/10  
MSDS Number: P0041  
Common Name: Topcoat  
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 = 0, Fire = 3, Reactivity = 1

HMIS® Rating H0/F3/PH0

NFPA-ratings (scale 0-4): Health = 1, Fire = 3, Reactivity = 1

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Cas #	Perc.	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
141-78-6	5-10%	Ethyl acetate	400	400
98-56-6	5-10%	P-Chlorobenzotrifluoride	200	200
540-88-5	15-20%	tert-Butyl acetate	200	200
112926-00-8	10-20%	Silica, amorphous	10 mg/m <sup>3</sup>	6 mg/m <sup>3</sup>

### 4 FIRST AID MEASURES

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**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:** 39 DEGREES F  
**Autoignition Temperature:** 964 DEGREES F  
**LEL:** 1.2%  
**UEL:** 6.8%  
**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

<b>Appearance:</b>	Colorless Liquid	<b>Boiling Point:</b>	208.4 DEGREES F
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	-79.6 DEGREES F
<b>Odor:</b>	Camphor-like odor	<b>Solubility:</b>	.9%
<b>pH:</b>	N/A		

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**Vapor Pressure:** 41.5 mm Hg @ 77F      **Spec Grav./Density:** .98  
**Vapor Density:**

**VOC:** 95 GR P/LT .8 LBS P/GL LESS EXEMPT: 362 GR/LT 3.0 LBS P/GL  
**Evap. Rate:** 2.8%  
**Percent Volatile:** 42%

## 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
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
Ethyl Acetate	LD 50	5620 mg/kg	Oral	Rat
	LC 50	200 mg/m3	Inhalation	Rat
	LD 50	>20 ml/kg	Dermal	Rabbit
P-Chloro benzotrifluoride	LD 50	11500 mg/kg	Oral	Rat
	LC 50	20gm/m3	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Silica, Amorphous	LD 50	3160 mg/kg	Oral	Rat
	LC 50	2.08 mg ? 4 hours	Inhalation	Rat
	LD 50	5000 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

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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.

#### 14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3

DOT:Paint Related Material, 3, UN1263, PG II

IATA:Paint Related Material, 3, UN1263, PG II

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

#### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Ethyl acetate (141-78-6 5-10%) CERCLA, MASS, OSHAWAC, PA, TOXICRCRA, TSCA, TXAIR, TXHWL

\*P-Chlorobenzotrifluoride - (98-56-6 5-10%) TSCA

\*tert-Butyl acetate (540-88-5 15-20%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

\*Silica, amorphous (112926-00-8 10-20%) MASS, OSHAWAC, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance  
MASS = MA Massachusetts Hazardous Substances List  
OSHA = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level  
TXHWL = TX Hazardous Waste List  
CSWHS = Clean water Act Hazardous substances

#### 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