

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-PRIM MP 2002 UNIVERSAL WHITE PRIMER

MSDS Number: P0003

Revision Date: 06/01/10

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Quill Hair & Ferrule LTD
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Product Name: Q-PRIM MP 2002 UNIVERSAL WHITE PRIMER
Revision Date: 06/01/10
MSDS Number: P0003
Common Name: Undercoat/Topcoat
Product Code: QPRIMMP2002
Chemical Formula: Complex Mixture
Product Use: Undercoat/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)
141-78-6	5.65%	Ethyl acetate	400	400
13463-67-7	20.66%	Titanium dioxide	10 mg/m ³	10 mg/m ³
123-86-4	31.29%	n-Butyl acetate	150	150
108-65-6	10-15%	2-Propanol, 1-methoxy-, acetate	1 mg/m ³	3 mg/m ³
7631-86-9	<1%	Silica, amorphous	10 mg/m ³	6 mg/m ³
107-98-2	1-2%	Propylene glycol	100	100

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112-07-2 | 1-2% | methyl ether
Ethanol,
2-butoxy-, acetate | 25 | 20

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: 45 DEGREES F
Autoignition Temperature: N/A
LEL: 1.0%
UEL: 10.7%
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 personnel 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

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White liquid.	Boiling Point:	286F
Physical State:	Liquid	Freezing/Melting Pt.:	N/A
Odor:	Hydrocarbon odor	Solubility:	N/A
pH:	N/A	Spec Grav./Density:	1.09
Vapor Pressure:	13.0 mmHg @ 68 F		
Vapor Density:	Heavier than air		

VOC:	414 GRAMS PER LITER	3.5 LBS PER GALLON
Evap. Rate:	Faster than butyl acetate	

10 STABILITY AND REACTIVITY

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

11 TOXICOLOGICAL INFORMATION

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ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Ethyl acetate	LD 50	5620 mg/kg	Oral	Rat
	LC 50	200 mg/m ³	Inhalation	Rat
	LD 50	> 20 ml/kg	Dermal	Rabbit
Titanium dioxide	LD 50	10 g/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
n-Butyl acetate	LD 50	10.8 g/kg	Oral	Rat
	LC 50	390 ppm / four hour	Inhalation	Rat
	LD 50	> 17600 mg/kg	Dermal	Rabbit
Glycol Ether PM Acetate	LD 50	8532 mg/kg	Oral	Rat
	LD 50	Not Lethal	Inhalation	Rat
	LD 50	75 mg/kg	Dermal	Rabbit
Silica, amorphous	LD 50	3160 mg/kg	Oral	Rat
	LC 50	2.08 mg / L / 4 hours	Inhalation	Rat
	LD 50	5000 mg/kg	Dermal	Rabbit
Propylene glycol methyl ether	LD 50	5660 mg/kg	Oral	Rat
	LD 50	10000 ppm / 5 hours	Inhalation	Rat
	LD 50	13000 mg/kg	Dermal	Rabbit
Ethanol, 2-butoxy-, acetate	LD 50	2.7 g/kg	Oral	Rat
	LC 50	500 ppm / four hours	Inhalation	Rat
	LD 50	1.5g/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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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,

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state and local requirements.

14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3

DOT: Paint, 3, UN1263, PG II

IATA: Paint, 3, UN1263, PG II

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

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

- *Ethyl acetate (141-78-6 5.65%) CERCLA, MASS, OSHAWAC, PA, TOXICRCRA, TXAIR, TXHWL
- *Titanium dioxide (13463-67-7 11.09%) MASS, OSHAWAC, PA, TXAIR
- *n-Butyl acetate (123-86-4 32.69%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR
- *tert-Butyl acetate (540-88-5 14.18%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR
- *tert-Butyl alcohol (75-65-0 .6%) MASS, NJHS, OSHAWAC, PA, SARA313, TXAIR
- *Ethyl acetate (141-78-6 4-5%) CERCLA, MASS, OSHAWAC, PA, TOXICRCRA, TSCA, TXAIR, TXHWL
- *2-Propanol, 1-methoxy-, acetate (108-65-6 10-15%) TSCA
- *Silica, amorphous (7631-86-9 1%) MASS, NJHS, PA, TSCA
- *Propylene glycol methyl ether (107-98-2 1-2%) MASS, OSHAWAC, PA, TSCA, TXAIR
- *Ethanol, 2-butoxy-, acetate (112-07-2 1-2%) HAP, TSCA, TXAIR

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
EPCRAWPC = EPCRA Water Priority Chemicals
NJHS = NJ Right-to-Know Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List
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