

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-PRIM PP 1010 SPECIALTY PLASTIC ADHESION PROMOTER

MSDS Number: P0028

Revision Date: 06/01/10

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Quill Hair & Ferrule LTD
1 Greengate Park Rd.
P.O. Box 23927
Columbia, SC 29224

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Product Name: Q-PRIM PP 1010 SPECIALTY PLASTIC ADHESION PROMOTER
Revision Date: 06/01/10
MSDS Number: P0028
Common Name: Undercoat
Product Code: QPRIMPP1010
Chemical Formula: Complex Mixture
Product Use: Undercoat

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 = 2, Fire = 3, Reactivity = 0
HMIS® Rating H2/F3/PH0
NFPA-ratings (scale 0-4): Health = 2, Fire = 3, Reactivity = 0

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Cas #	Perc.	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
78-92-2	1.7%	2-Butanol	100	100
108-88-3	0.3%	Toluene	20	100
1330-20-7	58-63%	Xylene	100	100
540-88-5	8.8%	tert-Butyl acetate	200	200
78-93-3	2.5%	MEK	200	200
123-42-2	10-20%	Diacetone alcohol	50	50
68608-34-4	2.5%	Terpenes citrus-oil	N/A	N/A

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68609-36-9	>5.8%	Chlorinated polyolefin	N/A	N/A
100-41-4	0-4.7%	Ethyl benzene	100	100
108-90-7	<.5%	Chlorobenzene	75	75
61789-01-3	<.5%	Epoxidized oil	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

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: Slightly Yellow Liquid
Physical State: Liquid
Boiling Point: 267 Degrees
Odor: Citrus Aromatic
Freezing/Melting Pt.: N/A

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pH:	N/A	Solubility:	Negligible
Vapor Pressure:	7 mmHg @ 20c	Spec Grav./Density:	.87
Vapor Density:	3.7		
VOC:	752 GR P/LTR 6.27 LBS P/GL LESS EXEMPT 828 GR P/LTR 6.91 LBS P/GL		
Evap. Rate:	Greater than 1		
Percent Volatile:	92.55		

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
2-Butanol	LD 50	2193 mg/kg	Oral	Rat
	LC 50	1193 mg/kg	Inhalation	Rat
	LD 50	<2000 mg/kg	Dermal	Rabbit
Toluene	LD 50	636 mg/kg	Oral	Rat
	LC 50	49000 mg/m3 4 hours	Inhalation	Rat
	LD 50	12267 mg/kg	Dermal	Rabbit
Xylene	LD 50	4300 mg/kg	Oral	Rat
	LC 50	5000 ppm 4 hours	Inhalation	Rat
	LD 50	>1700 mg/kg	Dermal	Rabbit
tert-Butyl acetate	LD 50	4500 mg/kg bwt	Oral	Rat
	LC 50	4211 ppm / 6 hours	Inhalation	Rat
	LD 50	>2000 mg/kg bwt	Dermal	Rabbit
MEK	LD 50	4000 mg/kg	Oral	Rat
	LC 50	450 ppm / 4 hours	Inhalation	Rat
	LD 50	2000 mg/kg	Dermal	Rabbit
Diacetone alcohol	LD 50	2520 mg/kg	Oral	Rat
	LC 50	1065 ppm / 8 hours	Inhalation	Rat
	LD 50	13500 mg/kg	Dermal	Rabbit

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ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Terpenes citrus oil	LD 50	>5 g/kg	Oral	Rat
	LC 50	>5 g/kg	Inhalation	Rat
	LD 50	>1 g/kg	Dermal	Rabbit
Chlorinated polyolefin	LD 50	N/A	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Ethyl benzene	LD 50	3500 mg/kg	Oral	Rat
	LC 50	64000 ppm / 4 hours	Inhalation	Rat
	LD 50	15800 mg/kg	Dermal	Rabbit
Chlorobenzene	LD 50	1110 mg/kg	Oral	Rat
	LC 50	2965 mg/kg	Inhalation	Rat
	LD 50	2 g/kg	Dermal	Rabbit
Epoxidized oil	LD 50	N/A	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	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.

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

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COMPONENT / (CAS/PERC) / CODES

*2-Butanol (78-92-2 1.7%) MASS, NJHS, OSHAWAC, PA, SARA313, TXAIR

*Toluene (108-88-3 0.3%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TXAIR, TXHWL

*Xylene (1330-20-7 58-63%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TXAIR, TXHWL

*tert-Butyl acetate (540-88-5 8.8%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

*MEK (78-93-3 2.5%) CERCLA, HAP, HWCRA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TXAIR, TXHWL

*Diacetone alcohol (123-42-2 10-20%) MASS, OSHAWAC, PA, TXAIR

*Ethyl benzene (100-41-4 0-4.7%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TXAIR

*Chlorobenzene (108-90-7 <.5%) CERCLA, CSWHS, EPCRAWPC, HAP, HWCRA, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICRCRA, TXAIR, TXHWL

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
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
HAP = Hazardous Air Pollutants
PRIPOL = Clean water Act Priority Pollutants
PROP65 = CA Prop 65
TOXICPOL = Clean water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List
HWCRA = RCRA Hazardous Wastes

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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.

END OF MSDS DOCUMENT