

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 1 of 8

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-COAT TC MIXED COLOR
Revision Date: 06/01/10
MSDS Number: P0046
Common Name: Topcoat
Chemical Formula: CONTAINS QCOLR #
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	Colorant	ACGIH TLV (PPM)	OSHA PEL (PPM)

All contain the following					
1330-20-7	1-3%	Xylene		100	100
71-36-3	20-25%	n-Butyl alcohol		20	100
111-76-2	0-10%	Glycol Ether EB		20	50
108-88-3	10-20%	Toluene		20	100
64-17-5	30-40%	Ethanol Denatured		1000	1000
67-56-1	1-3%	Methyl alcohol		200	200

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 2 of 8

78-93-3	5-15%	Methyl ethyl ketone	200	200
37631-86-9	0-10%	Silica, amorphous	10mg/m3	6mg/m3

The Following Colorants Contain

Proprietary Ingredient	02	N/A	N/A
NJTSR#678290-00-2-7441-P PCP			
Proprietary Ingredient	02	N/A	N/A
NJTSR#678290-00-2-7442-P PCP			
Proprietary Ingredient	06	N/A	N/A
NJTSR#678290-00-2-7398-P PCP			
Proprietary Ingredient	06	N/A	N/A
NJTSR#678290-00-2-7399-P PCP			
Proprietary Ingredient	06	N/A	N/A
NJTSR#678290-00-2-7535-P PCP			
Proprietary Ingredient	08	N/A	N/A
NJTSR#678290-00-2-7412-P PCP			
Proprietary Ingredient	08	N/A	N/A
NJTSR#678290-00-2-7413-P PCP			
Proprietary Ingredient	12	N/A	N/A
NJTSR#678290-00-2-7431-P PCP			
Proprietary Ingredient	12	N/A	N/A
NJTSR#678290-00-2-7432-P PCP			
Proprietary Ingredient	16	N/A	N/A
NJTSR#678290-00-2-7429-P PCP			
Proprietary Ingredient	16	N/A	N/A
NJTSR#678290-00-2-7430-P PCP			
Proprietary Ingredient	18,20	N/A	N/A
NJTSR#678290-00-2-7435-P PCP			
Proprietary Ingredient	18,20	N/A	N/A
NJTSR#678290-00-2-7436-P PCP			
Proprietary Ingredient	22	N/A	N/A
NJTSR#678290-00-2-7396-P PCP			
Proprietary Ingredient	22	N/A	N/A
NJTSR#678290-00-2-7397-P PCP			
Proprietary Ingredient	24	N/A	N/A
NJTSR#678290-00-2-7408-P PCP			
Proprietary Ingredient	24	N/A	N/A
NJTSR#678290-00-2-7409-P PCP			
Proprietary Ingredient	26	N/A	N/A
NJTSR#678290-00-2-7394-P PCP			
Proprietary Ingredient	26	N/A	N/A
NJTSR#678290-00-2-7395-P PCP			
Proprietary Ingredient	28	N/A	N/A
NJTSR#678290-00-2-7392-P PCP			
Proprietary Ingredient	28	N/A	N/A
NJTSR#678290-00-2-7393-P PCP			
Proprietary Ingredient	30	N/A	N/A
NJTSR#678290-00-2-7425-P PCP			
Proprietary Ingredient	30	N/A	N/A
NJTSR#678290-00-2-7426-P PCP			
Proprietary Ingredient	32	N/A	N/A
NJTSR#678290-00-2-7427-P PCP			
Proprietary Ingredient	32	N/A	N/A
NJTSR#678290-00-2-7428-P PCP			
Proprietary Ingredient	36	N/A	N/A
NJTSR#678290-00-2-7421-P PCP			
Proprietary Ingredient	36	N/A	N/A
NJTSR#678290-00-2-7422-P PCP			
Proprietary Ingredient	38	N/A	N/A
NJTSR#678290-00-2-7477-P PCP			
Proprietary Ingredient	38	N/A	N/A
NJTSR#678290-00-2-7478-P PCP			

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 3 of 8

		Proprietary Ingredient NJTSR#678290-00-2-7475-P PCP	40	N/A	N/A
		Proprietary Ingredient NJTSR#678290-00-2-7476-P PCP	40	N/A	N/A
		Proprietary Ingredient NJTSR#678290-00-2-7437-P PCP	42	N/A	N/A
		Proprietary Ingredient NJTSR#678290-00-2-7438-P PCP	42	N/A	N/A
		Proprietary Ingredient NJTSR#678290-00-2-7443-P PCP	42	N/A	N/A
		Proprietary Ingredient NJTSR#678290-00-2-7414-P PCP	44	N/A	N/A
		Proprietary Ingredient NJTSR#678290-00-2-7415-P PCP	44	N/A	N/A
		Proprietary Ingredient NJTSR#678290-00-2-7416-P PCP	44	N/A	N/A
13463-67-7	1-30%	Titanium dioxide	42	10mg/m3	5mg/m3
1333-86-4	1-20%	Carbon black	28	3.5mg/m3	3.5mg/m3
7439-96-5	1-5%	Manganese	20	5mg/m3	0.2mg/m3
7440-50-8	1-5%	Copper	24, 26	0.1mg/m3	0.2mg/m3
7429-90-5	1-30%	Aluminum flake	50, 52, 54, 56	10mg/m3	15mg/m3
141-78-6	1-5%	Ethyl acetate	50, 52, 54, 56	400	400
8052-41-3	1-15%	Stoddard solvent	50, 52, 54, 56	100	100
64742-47-8	1-10%	Aliphatic solvent	50, 52, 54, 56	100	100
12001-26-2	1-5%	Mica		3mg/m3	3mg/m3

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
LEL:	1.2%
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

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 4 of 8

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:	Colored liquid.	Boiling Point:	148F - 340F
Physical State:	Liquid	Freezing/Melting Pt.:	N/A
Odor:	Organic odor, colored liquid	Solubility:	N/A
pH:	N/A	Spec Grav./Density:	.88
Vapor Pressure:	20 mmHg @ 20 C		
Vapor Density:	Heavier than air		
VOC:	707 GRAMS PER LITER 5.9 LBS PER GALLON		
Evap. Rate:	Slower than ether		
Percent Volatile:	75-90%		

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 Oxidizing Agents, alkalies, may attack metallic aluminum at high temperature

Hazardous Decomposition products: Carbon dioxide, peroxides, carbon monoxide

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 5 of 8

ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Titanium dioxide	LD 50	10g/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Carbon black	LD 50	500 mg/kg	Oral	Rat
	LC 50	27000 mg/m3	Inhalation	Rat
	LD 50	1000 mg/kg	Dermal	Rabbit
Manganese	LD 50	>2000 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Cooper	LD 50	152 mg/kg	Oral	Rat
	LC 50	>2.95 mg/L	Inhalation	Rat
	LD 50	>2000 mg/kg	Dermal	Rabbit
Aluminum flake	LD 50	N/A	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Stoddard solvent	LD 50	5000 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	3000 mg/kg	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
Aliphatic solvent	LD 50	5mg/kg	Oral	Rat
	LC 50	8200 mg/m3	Inhalation	Rat
	LD 50	500mg/24 H	Dermal	Rabbit
Aliphatic solvent	LD 50	3160 mg/kg	Oral	Rat
	LC 50	2.08 mg/L/ 4 hours	Inhalation	Rat
	LD 50	5000 mg/kg	Dermal	Rabbit

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 6 of 8

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
Glycol Ether EB	LD 50	470 mg/kg	Oral	Rat
	LC 50	450 ppm / four hours	Inhalation	Rat
	LD 50	220 mg/kg	Dermal	Rabbit
Toluene	LD 50	636 mg/kg	Oral	Rat
	LC 50	49000 mg/ m3/ four hours	Inhalation	Rat
	LD 50	12267 mg/kg	Dermal	Rabbit
Ethanol Denatured	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	6400 ppm / four hours	Inhalation	Rat
	LD 50	15800 mg/kg	Dermal	Rabbit
Methyl Ethyl Ketone	LD 50	4000 mg/kg	Oral	Rat
	LC 50	450 ppm / four hours	Inhalation	Rat
	LD 50	2000mg/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

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 7 of 8

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

*Titanium dioxide (13463-67-7 1-30%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Carbon black (1333-86-4 1-20%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Manganese (7439-96-5 1-5%) MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Copper (7440-50-8 1-5%) CERCLA, EPCRAWPC, MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TSCA, TXAIR

*Aluminum Flake (7429-90-5 1-30%) EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

*Stoddard solvent (8052-41-3 1-15%) MASS, OSHAWAC, PA, TSCA, TXAIR

*Ethyl acetate (141-78-6 1-5%) CERCLA, MASS, OSHAWAC, PA, TOXICRCRA, TSCA, TXAIR, TXHWL

*Aliphatic solvent (64742-47-8 1-10%) TSCA

*silica, amorphous (7631-86-9 1-10%) MASS, NJHS, PA, TSCA

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

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

*Glycol Ether EB (111-76-2 0-10%) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

*Toluene (108-88-3 10-20%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

*Ethyl alcohol (64-17-5 30-40%) MASS, OSHAWAC, PA, TSCA, TXAIR

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

*Methyl ethyl ketone (78-93-3 5-15%) CERCLA, HAP, HWCRA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

REGULATORY KEY DESCRIPTIONS

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

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-COAT TC MIXED COLOR

MSDS Number: P0046

Revision Date: 06/01/10

Page 8 of 8

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
NJHS = NJ Right-to-Know Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
EPCRAWPC = EPCRA Water Priority Chemicals
PRIPOL = Clean Water Act Priority Pollutants
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List
HAP = Hazardous Air Pollutants
PROP65 = CA Prop 65
HWRCRA = RCRA Hazardous Wastes

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