

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-ACTV PA2072 ADVANCED EPOXY ACTIVATOR

MSDS Number: H0007

Revision Date: 10/09/13

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Quill Hair & Ferrule LTD
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Product Name: Q-ACTV PA2072 ADVANCED EPOXY ACTIVATOR
Revision Date: 10/09/13
MSDS Number: H0007
Common Name: Undercoat
Product Code: QACTVPA2072
Chemical Formula: Complex Mixture
Product Use: Paint

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 #	Range	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
1330-20-7	6%	Xylene	100	100
71-36-3	14%	n-butyl alcohol	20	100
108-10-1	11%	Methyl isobutyl ketone	100	50
25036-25-3	15-20%	Bisphenol A Diglycidyl ether	N/A	N/A
111-40-0	5-10%	Ethyleneamine	1	1
107-98-2	1-5%	Propylene glycol methyl ether	100	100
100-41-4	1%	Ethyl Benzene	100	100
90-72-2	1-5%	2,4,6-Tris(dimethylamino-	N/K	N/K

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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: Seek immediate medical attention. Induce vomiting

5 FIRE FIGHTING MEASURES

Flash Point: 74F
LEL: .8%
UEL: 16.1%
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: Liquid

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Physical State:	Liquid	Boiling Point:	237 F
Odor:	Mild	Freezing/Melting Pt.:	
pH:		Solubility:	N/A
Vapor Pressure:	13.0 mmHg @ 68 F	Spec Grav./Density:	.91
Vapor Density:	Heavier than air		

VOC: 580 GRAMS PER LITER 4.8 LBS PER GALLON
Evap. Rate: Slower than Ether
Percent Volatile: 79%

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
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
Bisphenol A	LD 50	N/A	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Ethyleneamine	LD 50	1080 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	1090 mg/kg	Dermal	Rabbit

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ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Propylene Glycol	LD 50	5660 mg/kg	Oral	Rat
Methyl Ether	LC 50	10000 ppm / five hours	Inhalation	Rat
	LD 50	13000 mg/kg	Dermal	Rabbit
Ethyl Benzene	LD 50	3500 mg/kg	Oral	Rat
	LC 50	64000 ppm / four hour	Inhalation	Rat
	LD 50	15800 mg/kg	Dermal	Rabbit
2,4,6-Tris(dimethyl-aminomethyl) Phenol	LD 50	1200 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	1280 mg/kg	Dermal	Rabbit
Xylene	LD 50	4300 mg/kg	Oral	Rat
	LC 50	5000 ppm / four hours	Inhalation	Rat
	LD 50	>1700 mg/kg	Dermal	Rabbit
Methyl isobutyl ketone	LD 50	2080 mg/kg	Oral	Rat
	LC 50	>2000 ppm / four hours	Inhalation	Rat
	LD 50	20 ml/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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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, 3, UN1263, PG III

IATA:Paint, 3, UN1263, PG III

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

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*n-butyl alcohol (71-36-3 14%) CERCLA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TXAIR, TXHWL

*ethyleneamine (111-40-0 5-10%) CERCLA, TSCA

*xylene (1330-20-7 1-5%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Bishenol A Diglycidyl Ether (25036-25-3 10-20%) TSCA

*Methyl isobutyl ketone (108-10-1 5-10%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Propylene Glycol methyl ether (107-98-2 1-5%) MASS, OSHAWAC, PA, TSCA, TXAIR,

*Ethyl Benzene (100-41-4 1%) CERCLA, CSWHS, EPCRAWPC, HAP MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TXAIR

*2,4,6-Tris(dimethylaminomethyl) Phenol (90-72-2 1%-5%) TSCA

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TXAIR = TX Air Contaminants with Health Effects Screening Level
EPCRAWPC = EPCRA water Priority Chemicals
NJHS = NJ Right-to-Know Hazardous Substances
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
HAP = Hazardous Air Pollutants
HWRCRA = RCRA Hazardous Wastes
NRC = Nationally Recognized Carcinogens
PRIPOL = Clean water Act Priority Pollutants
PROP65 = CA Prop 65

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TOXICPOL = Clean Water Act Toxic Pollutants

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OTHER INFORMATION

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END OF MSDS DOCUMENT