

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-ACTV PA 2016 2 PACK EP EPOXY ACTIVATOR / CONVERTOR

MSDS Number: H0004

Revision Date: 01/01/11

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Quill Hair & Ferrule LTD
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Product Name: Q-ACTV PA 2016 2 PACK EP EPOXY ACTIVATOR / CONVERTOR
Revision Date: 01/01/11
MSDS Number: H0004
Common Name: Activator
Product Code: QACTVPA2016
Chemical Formula: Complex Mixture
Product Use: Activator

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 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 = 1
HMIS® Rating H*2/F3/PH1
NFPA-ratings (scale 0-4): Health = 2, Fire = 3, Reactivity = 1

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Cas #	Perc.	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
28182-81-2	55-65%	Homopolymer	0.5mg/m ³	1mg/m ³
822-06-0	.1-.5%	Hexamethylene-1,6-diisocyanate	0.005	0.005
108-10-1	40-45%	Methyl isobutyl ketone	50	50

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4 FIRST AID MEASURES

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. May cause allergic respiratory reaction. Respiratory and or skin sensitizer. Lung and or skin damage and respiratory sensitization may be permanent.

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.

5 FIRE FIGHTING MEASURES

Flash Point: 61 Degrees F
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: Clear Liquid

Physical State: Liquid

Boiling Point:

Odor: Pungent - sweet odor

Freezing/Melting Pt.:

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pH: N/A
Vapor Pressure:
Vapor Density: > 1 air = 1
Solubility:
Spec Grav./Density: .96
VOC: 399 GR P/ LT 3.3 LBS P/ GL
Evap. Rate: < 1 ether = 1
Percent Volatile: 50%

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, Moisture
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
Hexamethylene-1,6-diisocyanate	LD 50	746 mg/kg	Oral	Rat
	LC 50	124 mg /m3 / 4 hours	Inhalation	Rat
	LD 50	599 mg/kg	Dermal	Rabbit
Homopolymer	LD 50	>5,000 mg/kg	Oral	Rat
	LC 50	390-453 mg/m3 / 4 hours	Inhalation	Rat
	LD 50	>5,000 mg/kg	Dermal	Rabbit
Methyl Isobutyl Ketone	LD 50	2080 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	20 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 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 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

*Hexamethylene-1,6-diisocyanate (822-06-0 .1-.5%) CERCLA, HAP, MASS, SARA313, TSCA, TXAIR

*Methyl isobutyl ketone (108-10-1 40-45%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
SARA313 = SARA 313 Title III Toxic Chemicals
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
PA = PA Right-To-Know List of Hazardous Substances
NJHS = NJ Right-to-Know Hazardous Substances
OSHA = OSHA workplace Air Contaminants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List

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