1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Q-PRIM MP 2177 ADVANCED EPOXY TINTABLE PRIMER
Common Name: Undercoat
SDS Number: P0096
Product Code: QPRIMMP2177
Revision Date: 12/21/2025
Chemical Formula: Complex Mixture
Product Use: Paint

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

Contact: Deborah Millar
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24 Hours Emergency Number 1-800-535-5053 INFOTRAC ID# 116017

2 HAZARDS IDENTIFICATION

Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Physical, Flammable Liquids, 3
Health, Aspiration hazard, 1
Health, Acute toxicity, 5 Dermal
Health, Specific target organ toxicity - Single exposure, 3
Health, Specific target organ toxicity - Repeated exposure, 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:

H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H313 - May be harmful in contact with skin
H336 - May cause drowsiness or dizziness
H373 - May cause damage to organs through prolonged or repeated exposure

GHS Precautionary Statements:

P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P233 - Keep container tightly closed.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P332+313 - If skin irritation occurs: Get medical advice/attention.
P370+378 - In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.

Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Route of Entry: Eyes; Ingestion; Inhalation; Skin
Target Organs: Eyes; Skin; Respiratory system; Cental nervous system; Hematopoietic system; Blood; Kidneys; Liver; Lymphiod system
Inhalation: Anesthetic, may cause repiratory 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.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Cas #	Range	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
1330-20-7	6%	Xylene	100	100
540-88-5	1-5%	tert-Butyl acetate	200	200
108-10-1	11%	Methyl isobutyl ketone	100	50
25036-25-3	15-20%	Bisphenol A Diglycidyl ether	N/A	N/A
14808-60-7	1-20%	Crystalline Silica	10mg/m3	10mg/m3
25068-38-6	1-5%	Epoxy Resin	N/A	N/A
107-98-2	1-5%	Propylene glycol methyl ether	100	100
100-41-4	1-5%	Ethyl Benzene	100	100
60580-61-2	.39%	Zinc Compound	N/A	N/A

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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.

5 FIRE FIGHTING MEASURES

Flammability: NFPA Class 1C Flammable Liquid
Flash Point: 73F
Lower Explosive Limit: .8%
Upper Explosive Limit: 12%
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 wast 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. Seperate 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

Personal Protective Equipment: HMIS PP, K | Properly fitted air purifying or air-fed respirator, gloves, suit, and boots.
Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. QHF recommends the use of a fresh air supply respirator.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Liquid		
Physical State:	Liquid	**Odor:**	Mild
Specific Gravity or Density:	1.31	**Solubility:**	slight
Boiling Point:	205 F	**Percent Volatile:**	53%
Vapor Pressure:	13.0 mmHg @ 68 F	**Flash Point:**	73 F
Evaporation Rate:	Slower than Ether	**Vapor Density:**	Heaiver than air
		Volatile organic compound:	359 GRAMS/LITER 3.0 LBS/GL

10 STABILITY AND REACTIVITY

Chemical Stability: Product is stable under normal conditions.

Conditions to Avoldentification: Oxidation promoting conditions (Heat, Sunlight and Air).

Materials to Avoldentification: Strong Acids

Hazardous Decomposition: Carbon dioxide, oxides of nitrogen, carbon monoxide

Hazardous Polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY				
Ingredient Name	**Test**	**Results**	**Route**	**Species**
Bisphenol A	LD 50	N/A	Oral	Rat
Diglycidyl Ether	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Crystalline Silica	LD 50	500 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
Epoxy Resin	LD 50	11400 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	23.4 g/kg	Dermal	Rabbit

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
Zinc Compound	LD 50	10000 mg/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	N/A	Dermal	Rabbit
tert-Butyl acetate	LD 50	4500 mg/kg bwt	Oral	Rat
	LC 50	4211 ppm / six hours	Inhalation	Rat
	LD 50	>2000 mg/kg bwt	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

12 ECOLOGICAL INFORMATION

Enviromental 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: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

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*n-Butyl acetate (123-86-4 10-15%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TXAIR

*Xylene (1330-20-7 6%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Methyl ethyl ketone (78-93-3 10-15%) CERCLA, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Bishenol A Diglycidyl Ether (25036-25-3 15-20%) TSCA

*tert-Butyl acetate (540-88-5 1-5%) CERCLA, CSWHS, MASS, OSHAWAC, PA, TSCA, TXAIR

*Crystalline Silica (14808-60-7 1-20%) MASS, OSHAWAC, TXAIR,

*Methyl isobutyl ketone (108-10-1 11%) 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 1-5%) CERCLA, CSWHS, EPCRAWPC, HAP MASS, NJHS, OSHAWAC, PA, PRIPOL, SARA313, TOXICPOL, TXAIR

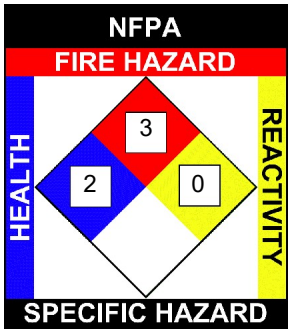
*Zinc compound (60580-61-2 .39%) SARA313, TSCA

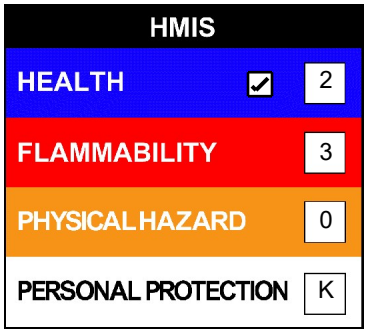
REGULATORY KEY DESCRIPTIONS

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
TOXICPOL = Clean Water Act Toxic Pollutants

16 OTHER INFORMATION

NFPA: Health = 2, Fire = 3, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 2(Chronic), Fire = 3, Physical Hazard = 0
HMIS PPE: K - Full Face Respirator, Gloves, Full Suit, Boots





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