1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Q-BASE DB 2040 HIGH GLOSS DISPLAY BINDER
Common Name: Topcoat
SDS Number: P0048
Product Code: QBASEDB2040
Revision Date: 12/16/2025
Chemical Formula: Complex Mixture
Product Use: Topcoat

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

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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 #	Perc.	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
111-76-2	10-15%	Glycol Ether EB	20	50
1330-20-7	8%	Xylene	100	100
123-42-2	1-5%	Diacetone Alcohol	50	50
95-56-6	35-40%	Propylene Glycol Methyl Ether	100	100
64-17-5	1-5%	Ethanol Denatured	1000	1000

Chemical Ingredients:

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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: 80 DEGREES F
Flash Point Method: ASTM D93
Lower Explosive Limit: 3%
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:	Colorless Liquid		
Physical State:	Liquid	**Odor:**	ether-like odor
Specific Gravity or Density:	.98	**Solubility:**	Miscible
Vapor Pressure:	10.9 mmHg @ 20C	**Percent Volatile:**	64%
Potentia Hydrogenii:	7	**Flash Point:**	80
Evaporation Rate:	0.7	**Vapor Density:**	3.12
		Volatile organic compound:	584 GRAMS/LTR 4.87 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**
Glycol Ether EB	LD 50	470 mg/kg	Oral	Rat
	LC 50	450 ppm / 6 hours	Inhalation	Rat
	LD 50	220 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
Diacetone Alcohol	LD 50	4 g/kg	Oral	Rat
	LC 50	N/A	Inhalation	Rat
	LD 50	13 g/kg	Dermal	Rabbit
Glycoly Ether PM	LD 50	5600 mg/kg	Oral	Rat
	LC 50	10000 ppm/ five hours	Inhalation	Rat
	LD 50	>13000 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

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 Related Material, 3, UN1263, PG III

IATA:Paint Related Material, 3, UN1263, PG III

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

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

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*Glycol Ether EB (111-76-2 10-15%) HAP, MASS, OSHAWAC, PA, TXAIR

*Xylene (1330-20-7 8%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TXAIR, TXHWL

*Diacetone Alcohol (123-42-2 1-5%) MASS, OSHAWAC, PA, TXAIR

*Propylene Glycol Methyl Ether (107-98-2 35-40%) MASS, OSHAWAC, PA, TXAIR

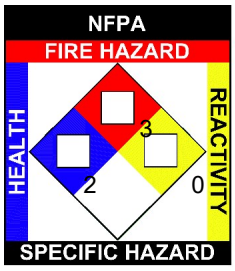
*Ethanol Denatured (64-17-5 1-5%) MASS, OSHAWAC, PA, TXAIR

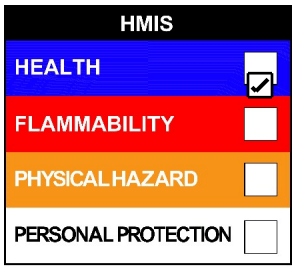
REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level

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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