

MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD



Q-BASE DB 2044 SEMI GLOSS DISPLAY BINDER

MSDS Number: P0052

Revision Date: 06/01/10

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Quill Hair & Ferrule LTD
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Product Name: Q-BASE DB 2044 SEMI GLOSS DISPLAY BINDER
Revision Date: 06/01/10
MSDS Number: P0052
Common Name: Topcoat
Product Code: QBASEDB2044
Chemical Formula: Complex Mixture
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 = 0, Fire = 3, Reactivity = 0
HMIS® Rating H0/F3/PH0
NFPA-ratings (scale 0-4): Health = 0, Fire = 3, Reactivity = 0

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients: Cas # | Perc. | Chemical Name | ACGIH TLV (PPM) | OSHA PEL (PPM) |
|-----------------------|--------|-------------------------------|--------------------|-------------------|
| 111-76-2 | 1-3% | Glycol Ether EB | 20 | 50 |
| 112926-00-8 | 4-6% | Silica, amorphous | 10mg/m3 | 6mg/m3 |
| 107-98-2 | 35-45% | Propylene glycol methyl ether | 100 | 100 |

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: 89 DEGREES F
Flash Point Method: 532 DEGREES F
LEL: 3%
UEL: 12%
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: Colorless Liquid
Physical State: Liquid
Boiling Point: 248.2 Degrees F

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Odor: ether-like odor
pH: 7
Vapor Pressure: 10.9 mmHg @ 20C
Vapor Density: 3.12

Freezing/Melting Pt.: -139 Degrees F
Solubility: Miscible
Spec Grav./Density: .92

VOC: 561.3 GR P/LTR 4.68 LBS P/GL
Evap. Rate: 0.7
Percent Volatile: 45%

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 |
| 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 |
| Silica, Amorphous | LD 50 | 3160 mg/kg | Oral | Rat |
| | LC 50 | 2.08 mg/ L/ four hours | Inhalation | Rat |
| | LD 50 | 5000 mg/kg | Dermal | Rabbit |
| Propylene glycol methyl ether | LD 50 | 5660 mg/kg | Oral | Rat |
| | LC 50 | 1000 ppm / five hours | Inhalation | Rat |
| | LD 50 | 13000 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

*Glycol Ether EB (111-76-2 1-3%) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

*Silica, amorphous,(112926-00-8 4-6%) MASS, OSHAWAC, TXAIR

*Propylene glycol methyl ether (107-98-2 35-45%) MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

OSHA = 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

CERCLA = Superfund clean up substance

CSWS = Clean water Act Hazardous substances

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