

# MSDS Material Safety Data Sheet

**Quill Hair & Ferrule LTD**



## Q-SOLV AR 0077 ALCOHOL RETARDER

MSDS Number: S0004

Revision Date: 06/01/10

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### 1 PRODUCT AND COMPANY IDENTIFICATION

#### Manufacturer

Quill Hair & Ferrule LTD  
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Columbia, SC 29224

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**Product Name:** Q-SOLV AR 0077 ALCOHOL RETARDER  
**Revision Date:** 06/01/10  
**MSDS Number:** S0004  
**Common Name:** Paint Additive  
**Product Code:** QSOLVAR0077  
**Chemical Formula:** Complex Mixture  
**Product Use:** Paint Solvent

**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 = 2, Fire = 2, Reactivity = 0

HMIS® Rating H\*2/F2/PH0

NFPA-ratings (scale 0-4): Health = 2, Fire = 2, Reactivity = 0

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients: Cas #	Perc.	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
111-76-2	90-100%	Ethylene glycol monobutyl ether	20	50

### 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.

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**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:** Get prompt, qualified medical attention. Seek immediate medical attention. Induce vomiting.

### 5 FIRE FIGHTING MEASURES

**Flash Point:** 144 DEGREES F  
**Autoignition Temperature:** 460 F  
**LEL:** 1.1%  
**UEL:** 12.7%  
**Flammability Classification:** Class II Combustible 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 personnel 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

<b>Appearance:</b>	Colorless liquid.	<b>Boiling Point:</b>	339F
<b>Physical State:</b>	Liquid	<b>Freezing/Melting Pt.:</b>	-107F
<b>Odor:</b>	Faint ethereal & sweetish odor.	<b>Solubility:</b>	Miscible
<b>pH:</b>	N/A	<b>Spec Grav./Density:</b>	.90
<b>Vapor Pressure:</b>	0.6 mmHg @ 20 C		

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Vapor Density: 4.07

VOC: 851 GRAMS PER LITER 7.5 LBS PER GALLON  
Evap. Rate: 0.07  
Percent Volatile: 100%

## 10 STABILITY AND REACTIVITY

**Stability:** Product is stable under normal conditions.

**Conditions to avoid:** Oxidation promoting conditions ( Heat, Sunlight and Air), and high temperature

**Materials to avoid (incompatibility):** Strong Oxidizing Agents, alkalies, may attack metallic aluminum at high temperature

**Hazardous Decomposition products:** Carbon dioxide, peroxides, carbon monoxide

**Hazardous Polymerization:** Will not occur.

## 11 TOXICOLOGICAL INFORMATION

ACUTE TOXICITY				
Ingredient Name	Test	Results	Route	Species
Ethylene glycol	LD 50	470 mg/kg	Oral	Rat
monobutyl ether	LC 50	450 ppm / four hours	Inhalation	Rat
	LD 50	220 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.

## 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 III

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

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

### 15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

\*Ethylene glycol monobutyl ether (111762 1-3%) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

OSHA WAC = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TXAIR = TX Air Contaminants with Health Effects Screening Level

TSCA = Toxic Substances Control Act

### 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**