MSDS Material Safety Data Sheet

Quill Hair & Ferrule LTD

Q70

Q-SOLV AR 0055 ALCOHOL FAST REDUCER

MSDS Number: S0002 Revision Date: 06/01/10

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

Quill Hair & Ferrule LTD
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Product Name:	Q-SOLV AR 0055 ALCOHOL FAST REDUCER
Revision Date:	06/01/10
MSDS Number:	S0002
Common Name:	Paint Reducer
Product Code:	QSOLVAR0055
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 = 3, Reactivity = 0
HMIS® Rating H2/F3/PH0
NFPA-ratings (scale 0-4): Health = 2, Fire = 3, Reactivity = 0

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Perc.	Chemical Name	ACGIH TLV (PPM)	OSHA PEL (PPM)
71-36-3	20-30%	n-Butyl alcohol	20	100
108-88-3	15-20%	Toluene	20	100
64-17-5	35-45%	Ethanol Denatured	1000	1000
1330-20-7	1-5%	Xylene	100	100
78-93-3	10-20%	Methyl ethyl ketone	200	200
67-56-1	1-3%	Methyl alcohol	200	200

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

5 FIRE FIGHTING MEASURES

Flash Point: 62 DEGREES F
LEL: 1.2%
UEL: 36.0%
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. 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
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:** 148F - 243F

Odor:	Faint ethereal & sweetish odor.	**Freezing/Melting Pt.:**	N/A
pH:	N/A	**Solubility:**	Miscible 79.4
Vapor Pressure:	20 mmHg @ 20 C	**Spec Grav./Density:**	.81
Vapor Density:	< 1		

VOC:	803 GRAMS PER LITER	6.7 LBS PER GALLON
Evap. Rate:	2.42	
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 (incompatability): 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**
n-Butyl alcohol	LD 50	2.5 g/kg	Oral	Rat
	LC 50	8000 ppm / four hours	Inhalation	Rat
	LD 50	> 10 ml/kg	Dermal	Rabbit
Toluene	LD 50	636 mg/kg	Oral	Rat
	LC 50	49000 mg/m3 / four hours	Inhalation	Rat
	LD 50	12267 mg/kg	Dermal	Rabbit
Ethanol	LD 50	7060 mg/kg	Oral	Rat
	LC 50	64000 ppm / four hours	Inhalation	Rat
	LD 50	15800 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
Methyl ethyl Ketone	LD 50	>2000 mg/kg	Oral	Rat
	LC 50	>5000 ppm / one hour	Inhalation	Rat
	LD 50	>2000 mg/kg	Dermal	Rabbit
Methyl Alcohol	LD 50	5600 mg/kg	Oral	Rat
	LC 50	64000 ppm / four hour	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 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

*n-Butyl alcohol (71-36-3 20-30%) CERCLA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TXAIR, TXHWL

*Toluene (108-88-3 15-20%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TXAIR, TXHWL

*Ethanol Denatured (64-17-5 35-45%) MASS, OSHAWAC, PA, TXAIR

*Xylene (1330-20-7 1-5%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Methyl ethyl ketone (78-93-3 10-20%) CERCLA, HAP, HWRCRA, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Methyl alcohol (67561 1-3%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

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
TXAIR = TX Air Contaminants with Health Effects Screening Level
CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals

NJEHS = NJ Extraordinarily Hazardous Substances
NJHS = NJ Right-to-Know Hazardous Substances
NRC = Nationally Recognized Carcinogens
OSHAHTS = OSHA Hazardous and Toxic Substances
OSHAPSM = OSHA Chemicals Requiring process safety management
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TXHWL = TX Hazardous Waste List
HWRCRA = RCRA Hazardous Wastes
PRIPOL = Clean Water Act Priority Pollutants
TOXICPOL = Clean Water Act Toxic Pollutants
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