



# Australian Specialty Inks Pty Ltd

ABN 71 002 591 620

17 Reaghs Farm Rd, Minto NSW 2566

Telephone: (02) 9603-3399 Fax (02) 9603-7761

Website: [www.austspecialtyinks.com.au](http://www.austspecialtyinks.com.au)

UNIVERSAL VINYL THINNERS FQV180

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## MATERIAL SAFETY DATA SHEET

Classified as hazardous according to criteria of Worksafe Australia.

Date of issue: March 2009

### COMPANY DETAILS

AUSTRALIAN SPECIALTY INKS PTY LTD

A.B.N. 71 002 591 620

17 REAGHS FARM ROAD MINTO NSW

2566 (02) 9603-3399

A/H (02) 9792 7790 or mobile 0414 616 247

### IDENTIFICATION

Product Name: UNIVERSAL VINYL THINNERS FQV180

U.N. Number: 1993

Trade Name:

Other Names: FLAMMABLE LIQUID, N.O.S.

Dangerous Goods Class/and Subsidiary Risk: 3

Hazchem Code: 2[Y]

Manufacturers Code: FQV180

Poisons Schedule: Not scheduled

Pack Group: III

Use: Product is for use as a solvent.

#### Physical Description/Properties:

Appearance: Colourless, clear liquid with an ester type odour.

Density: 0.908

Boiling Point/Range: 146°C

Vapour Pressure: 0.49kPa @ 20°C

Percent Volatiles: 100

Flash Point: 50°C (PMCC)

Flammability Limits (%): LEL:1.2 UEL:10.6

Solubility in water: 200kg/m<sup>3</sup> at 20°C

<b>Flammability</b>	<b>2</b>
<b>Toxicity</b>	<b>2</b>
<b>Body Contact</b>	<b>2</b>
<b>Reactivity</b>	<b>2</b>
<b>Chronic</b>	<b>2</b>
<b>Scale:</b>	
<b>0 = Minimum to Nil</b>	
<b>1 = Low</b>	
<b>2 = Moderate</b>	
<b>3 = High</b>	
<b>4 = Extreme</b>	

#### Ingredients

Chemical entity	CAS No.	Proportion
Alkoxy ester		99-100%



## HEALTH HAZARD INFORMATION

### HEALTH EFFECTS

Swallowed: A large dose may have the following effects:- Central nervous system depression, depression, drowsiness, loss of consciousness. Aspiration during swallowing or vomiting may severely damage the lungs.

Eye: Liquid will cause conjunctival irritation and possible corneal damage.

Skin: Repeated or prolonged skin contact may lead to irritation.

Inhaled: Exposure to vapour at concentrations of 100 ppm and above may have the following effects:- Irritation of nose, throat and respiratory tract. Headache.

Chronic: Repeated or prolonged skin exposures may produce defatting of the skin and leading to irritation and dermatitis.

### FIRST AID

Swallowed: Wash out mouth with water. Do not induce vomiting. Give water to drink. If vomiting occurs naturally, rinse mouth and repeat administration of water. Keep warm and at rest. Obtain medical advice urgently.

Eye: Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical advice urgently.

Skin: Immediately flood the skin with large quantities of water for at least 15 minutes, preferably under a shower. Remove contaminated clothing as washing proceeds. Continue washing for at least 10 minutes. Obtain medical attention urgently. Contaminated clothing should be washed or dry-cleaned before re-use.

Inhaled: Remove from exposure. Keep warm and at rest. If breathing stops or shows signs of failing give artificial respiration. If heartbeat absent, give external cardiac compression. Obtain medical attention.

Advice to Doctor: Treat symptomatically.

## PRECAUTIONS FOR USE

Exposure Limits: 100 ppm (550 mg/m<sup>3</sup>). Can be absorbed through skin.

Engineering Controls: Exposure to this material may be controlled in a number of ways. The measures appropriate for a particular worksite depend on how the material is used and on the potential for exposure. Engineering methods to prevent or control exposure are preferred. Methods include process or personnel enclosure, mechanical ventilation (dilution and local exhaust), and control of process conditions. If engineering controls and work practices are not effective in preventing or controlling exposure, then suitable personal protective equipment, which is known to perform satisfactorily, should be used.



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**Personal Protection:** Wear chemical goggles. Wear chemical resistant gloves. Wear protective clothing as necessary to avoid skin contact. Wear respiratory protection if there is a risk of exposure to high vapor concentrations which meet the requirements of AS/NZS1715.

**Flammability:** Avoid heat and sources of ignition. Prevent build-up of flammable vapours. Hoses should be electrically continuous and containers bonded to avoid static charge build-up.

## SAFE HANDLING INFORMATION

**Storage and Transport:** Store in cool well ventilated area away from heat and ignition sources. Containers should always be kept closed in storage and properly labelled. Do not store in low or enclosed areas where vapours may become trapped. Store only in original or approved containers. Mild steel, carbon steel and polypropylene are suitable storage materials, as are lined steel and stainless steel where trace iron or slight discolouration are critical. Galvanised iron, aluminium and copper and its alloys are unsuitable.

**Spills and Disposal:** Keep public away. Extinguish all ignition sources. For major spills, dam and recover. Prevent entry into drainage systems, rivers etc. Collect with absorbent material such as sand, earth or saw dust. Warn occupants downwind. Advise authorities. Ensure waste disposal conforms with local waste disposal regulations. After recovery and evaporation remaining soil may be disposed of to approved landfill, or if approved, allowed to degrade insitu.

**Fire/Explosion Hazard:** Combustion products include oxides of carbon. Use water sprays to cool fire exposed surfaces and any adjacent storage vessels. Shut off source of product if safe to do so. Remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along vapour trail may occur. Avoid contact with strong oxidizing agents and strong caustics. Use foam, CO<sub>2</sub> or dry chemical. Keep containers cool with water spray. Wear full protective clothing and self-contained breathing apparatus.

**Other Information:**

### Toxicology

**ACUTE TOXICITY:** Low order of acute toxicity.

Oral LD<sub>50</sub> (rat) > 5155 mg/kg.

Inhalation LC<sub>50</sub> (rat) > 37500 mg/litre/4h.

Dermal LD<sub>50</sub> (rabbit) > 2000 mg/kg.

**IRRITANCY-EYES:** The eye irritancy has been investigated by OECD Test Method 405. Single application to the rabbit eye produced conjunctival irritation and transient corneal damage (stippling/minor epithelial damage).

**IRRITANCY-SKIN:** The skin irritancy has been investigated by OECD Test Method 404. A single 4h semi-occlusive application to intact rabbit skin produced minimal signs of irritation (mean scores for erythema or oedema less than 2). The degree of irritation was insufficient to warrant labelling as a skin irritant.

**SKIN SENSITISATION:** Substance has been reported to have shown no evidence of skin sensitising potential when tested by the following procedures: Magnusson and Kligman.

**SUB-ACUTE/SUB-CHRONIC TOXICITY:** Treatment-related changes have been observed in laboratory animals after repeated inhalation exposure. Adverse effects were seen in the following species: rats, mice. The following tissues were affected: liver, kidney, lung.

**CHRONIC TOXICITY/CARCINOGENITY:** No relevant studies identified.

**GENOTOXICITY:** The product did not exhibit any mutagenic or clastogenic activity in a variety of bacterial and mammalian systems in vitro.



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REPRODUCTIVE/DEVELOPEMENTAL TOXICITY: Studies in laboratory animals have shown no effects on foetal development in the following species: rat.

Hazard Category: Irritant

Risk Statement: R10 Flammable. R36 Irritating to eyes.

Safety Statement: S2 Keep out of reach of children. S25 Avoid contact with eyes.

Contact Point: Technical Director (02) 9603-3399

Date: March 2009