



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

UNIVERSAL VINYL THINNERS

Product Number: FQV180

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifiers

Product Name: UNIVERSAL VINYL THINNERS

Product Number: FQV180

Recommended Use of the chemical and restrictions on use: Use as a thinning solvent

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 616247

Email: info@austspecialtyinks.com.au

Website: www.austspecialtyinks.com.au

Emergency Telephone Number

Mob: 0414616247

2. HAZARDS IDENTIFICATION

Classified as hazardous according to the Globally Harmonised System of Classification and labeling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

Flammable Liquids: Category 3



Signal Words: DANGER

Poisons Schedule 5



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GHS Classification	Pictogram	Hazard Statement
Flammable Liquid, Category 3		H226 Flammable liquid and vapour
Toxic To Reproduction Specific target organ toxicity (single exposure) – category 3		H360D May damage fertility or the unborn child H335 May cause respiratory irritation

Precautionary statements:

<i>GENERAL</i>	P101 P102 P103	If medical advice is needed, have product container or label at hand Keep out of reach of children Read label before use
<i>PREVENTATIVE</i>	P201 P202 P210 P233 P240 P241 P242 P243 P261 P271 P280 P281	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Keep away from heat/sparks/open flames/hot surfaces. – No smoking Keep container tightly closed Ground/Bond container and receiving equipment Use explosion-proof electrical/ventilating/lighting/equipment Use only non-sparking tools Take precautionary measures against static discharge Avoid breathing fume/mist/vapours/spray Use only outdoors or in a well-ventilated area Wear protective gloves/eye protection/face protection Use personal protective equipment as required
<i>RESPONSE</i>	P304+P340 P303+P361+P353 P308+P313 P312 P331 P370+P378 P391	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower If exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell Do NOT induce vomiting In case of fire: Use foam, dry chemical or carbon dioxide for extinction Collect spillage
<i>STORAGE</i>	P403+P235 P405	Store in a well ventilated place. Keep cool Store locked up



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DISPOSAL	P501	Dispose of contents/container in accordance with local regulations
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Names and Proportions

Chemical entity	CAS Number	Proportion
Glycol Ether Acetate		100%

4. FIRST-AID MEASURES

Description of necessary first aid measures

Inhalation:	Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.
Skin Contact:	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If irritation occurs seek medical advice.
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. Seek immediate medical assistance.
Ingestion:	If swallowed, do NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Symptoms caused by exposure

Inhalation:	Breathing of high vapour concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
Skin Contact:	May include burning sensation, redness, swelling and/or dried cracked appearance.
Eye Contact:	May include burning sensation, redness, swelling and/or blurred vision.
Ingestion:	May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever. Irritation of the gastrointestinal tract.



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Medical attention and special treatment: Treat symptomatically. Contact Poisons Information Centre (Phone Australia: 13 1126) and a doctor.

5. FIRE-FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing fire fighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing equipment

Alcohol stable foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet.

Specific hazards arising from the chemical

Carbon monoxide and/or carbon dioxide may be evolved. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible. Smoke hazard.

Special protective equipment and precautions for fire fighters

Wear liquid-tight chemical protective clothing and self-contained breathing apparatus. Hazchem code is •3Y.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment. Keep the public away from the area.

Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Methods and materials for containment and cleaning up

For small spills (< 1 drum), transfer by mechanical means to a labeled, sealable container for recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.



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7. HANDLING AND STORAGE

Precautions for safe handling

Flammable product. Do not open near open flame, sources of heat or ignition. Avoid breathing vapours. Open slowly to control possible pressure release. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and earthing all equipment. Flameproof equipment necessary in area where chemical is being used. Vapours may accumulate in low or confined areas. Empty containers will retain flammable vapours.

Conditions for safe storage

Store in a well cool, ventilated area, away from sunlight, ignition sources and other sources of heat. Do not pressurize, cut, heat or weld containers – residual vapours are combustible. Do not store near strong oxidizers and alkalis. This product will fuel a fire in progress.

Incompatibilities

Avoid prolonged contact with natural, butyl or nitrile rubbers. EPDM and Polystyrene.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia – Glycol Ether Acetate: 274 mg/m³ (50ppm) TWA (8hr). TWA is the time weighted average concentration in an eight-hour for a five-day working week.

The short-term exposure limit (STEL) is: 548 mg/m³ (100 ppm), which is the maximum allowable exposure concentration at any time.

Biological monitoring

No biological limit allocated.

Engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use. Vapour heavier than air – prevent concentration in hollows and sumps.



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Individual protection measures

Eye and face protection:	Wear safety goggles.
Skin protection:	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
Respiratory Protection:	If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point > 65 ^o C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	Not applicable.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless clear liquid
Odour:	Ether aromatic
Odour threshold (ppm):	Data not available
Ph:	Data not available
Melting freezing point (°C):	Data not available
Initial boiling point and boiling range (°C):	145
Flash point (°C):	46
Evaporation rate (Butyl acetate = 1):	Data not available
Flammability:	Flammable
Explosive Limits (LEL – UEL) (%):	Data not available



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Vapour pressure (kPa@ 20°C):	.49
Vapour density (air = 1):	Data not available
Density (g/ml @ 20°C):	.966
Solubility:	.198% w/w
Partition coefficient n-octanol/water:	Data not available
Auto-ignition temperature (°C):	333
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm²/s @ 20°C):	Data not available
Percent Volatiles (%)	100

10. STABILITY AND REACTIVITY

Reactivity

Stable under normal conditions of use.

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

Stable under normal conditions of use.

Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

Incompatible materials

Reacts violently with strong oxidizing agents, nitric acid and sulphuric acid.



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Hazardous decomposition products

Burning can produce carbon monoxide and/or carbon dioxide. A complex mixture of airborne solids, liquids, gases and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	LD50 Oral (rat): 5000mg/kg LD50 Dermal (rabbit): 5000mg/kg LD50 Inhalation (rat, 4h): 10.8mg/kg
Skin corrosion/irritation:	May cause mild skin irritation. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Serious eye damage/irritation:	Likely to cause Irritation to eyes on contact.
Respiratory:	Inhalation of vapour can result in headaches, dizziness and possible nausea. See STOT below.
Ingestion:	No adverse effects expected, however large amounts may cause nausea and vomiting.
Carcinogenicity:	No evidence of carcinogenic properties.
Specific Target Organ Toxicity (STOT) – single exposure:	Breathing in vapour may produce respiratory irritation. In high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged unconsciousness.



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12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity

Fish:	LC50 Sea Lamprey: 5mg/L (no end point)
Aquatic invertebrate:	Data not available
Algae:	Data not available
Microorganisms:	Data not available

Chronic toxicity

Fish:	Data not available
Aquatic invertebrate:	Data not available
Algae:	Data not available
Microorganisms:	Data not available

Persistence and degradability

Expected to be readily biodegradable. Oxidises by photo-chemical reactions in air.

Bioaccumulative potential

Potential to bioaccumulate is low.

Mobility in soil

Adsorbs to soil and has high mobility.

Other adverse effects

Data not available.



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13. DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION

UN number:	1993
Proper shipping name:	FLAMMABLE LIQUID N.O.S.* (CONTAINS METHOXYPROPYL ACETATE)
Australian Dangerous Goods class:	3
Australian Dangerous Goods packing group:	III
Hazchem code:	•3Y

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	Data not available
Australian Inventory of Chemical Substances (AICS):	Listed
Australian Dangerous Goods class:	3
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ):	HB76
Hazchem code:	•3Y



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16. ANY OTHER RELEVANT INFORMATION

Date of preparation:	15/05/2018
Revision number:	4
Changes in this revision:	Update to UN Number