



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 RETARDER

Product Number: FQV182

SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifiers

Product Name: UNIVERSAL VINYL RETARDER

Product Number: FQV182

Recommended Use of the chemical and restrictions on use: Use as a thinning and cleaning 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 Non-dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th Edition).

Signal Word: Warning



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GHS Classification	Pictogram	Hazard Statement
Flammable Liquids – Cat 4	N/A	H227 Combustible liquid
Acute Toxicity – Oral Cat 4 Acute Toxicity – Dermal Cat 4 Acute Toxicity – Inhalation Cat 4		H302 Harmful if swallowed H312 Harmful in contact with skin H332 Harmful if inhaled

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>	P210 P261 P264 P270 P271 P280	Keep away from open flames/hot surfaces – No Avoid breathing fume/mist/vapours/spray Wash thoroughly after handling Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area Wear protective gloves/eye protection/face protection
<i>RESPONSE</i>	P301 P330 P302+P352 P304 + P340 P312 P362 P363 P370+P380	If SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If ON SKIN: Wash with plenty of soap and water. If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing Call a POISON CENTER or doctor/physician if you feel unwell Take off contaminated clothing and wash before reuse Wash contaminated clothing before use In case of fire: Alcohol stable foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet.
<i>STORAGE</i>	P403+P235 P405	Store in a well ventilated place. Keep cool Store locked up
<i>DISPOSAL</i>	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
Glycol Ether		0.1 – 1.0

4. FIRST-AID MEASURES

Description of necessary first aid measures

Inhalation:	Remove victim from exposure if safe to do so. Administer artificial respiration if breathing is stopped. 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. Can be absorbed through skin with resultant toxic effects. Seek immediate medical assistance.
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. Keep at rest. Seek immediate medical attention.

Symptoms caused by exposure

Inhalation:	Breathing in vapour will produce respiratory irritation. Breathing in high concentrations can produce central nervous system depression which can lead to unconsciousness.
Skin Contact:	Can result in irritation. Will have a degreasing effect on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
Eye Contact:	May result in redness, swelling and/or blurred vision.
Ingestion:	May result in nausea, vomiting and central nervous system depression (similar to drunkenness). May cause aspiration into the lungs with the risk of chemical pneumonitis.



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Medical attention and special treatment:

Treat symptomatically. Avoid gastric lavage: risk of aspiration of product to the lungs.

5. FIRE-FIGHTING MEASURES

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.

Special protective equipment and precautions for fire fighters

Combustible liquid. Wear liquid-tight chemical protective clothing and self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

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.

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

Avoid breathing of or contact with material. Use in well ventilated areas. 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. Do not empty into drains. Before eating, drinking or smoking, remove contaminated clothing and wash hands.

Conditions for safe storage, including any incompatibilities

Do not store near strong oxidants, acids, bases, aluminium and copper.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia – Glycol Ether Acetate: 133 mg/m³ (20ppm) TWA (8hr) skin, 333 mg/m³ (50ppm) STEL

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.

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° C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
Thermal hazards:	Not applicable.



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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colourless clear liquid
Odour:	Data not available
Odour threshold (ppm):	Data not available
Ph:	Data not available
Melting freezing point (°C):	-65
Initial boiling point and boiling range (°C):	191.5
Flash point (°C):	78.5 (closed cup)
Evaporation rate (Butyl acetate = 1):	0.3
Flammability:	Combustible
Upper/lower flammability or explosive limits (%):	0.5 – 8.5
Vapour pressure (kPa@ 20°C):	.04
Vapour density (air = 1):	5.5
Density (g/ml @ 15°C):	.94
Solubility:	Miscible with water
Partition coefficient n-octanol/water:	Data not available
Auto-ignition temperature (°C):	340
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm²/s @ 20°C):	1.69



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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

Strong oxidants, acids, bases, aluminium and copper.

Hazardous decomposition products

Burning can produce carbon monoxide and/or carbon dioxide.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Expected to be low toxicity - LD50 Oral (rat): 7012mg/kg LD50 Dermal (rabbit): 1500mg/kg
Skin corrosion/irritation:	Irritant
Serious eye damage/irritation:	May irritate the eyes.
Respiratory or skin sensitisation:	Not expected to be a sensitizer.
Germ cell mutagenicity:	Not mutagenic.
Carcinogenicity:	Not a carcinogen.



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Reproductive toxicity:	Not expected to impair fertility
Aspiration hazard:	Not likely to be a hazard.



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12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute toxicity

Fish LC50:	41.186 mg/L
Aquatic invertebrate EC50:	= 37 mg/L
Algae EC50:	3.228 mg/L
Microorganisms EC0:	= 10 mg/L

Chronic toxicity

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

Persistence and degradability

Biodegradable.

Bioaccumulative potential

Potential to bioaccumulate is low.

Mobility in soil

Miscible with water.

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:	Not applicable
Proper shipping name:	Not applicable
Australian Dangerous Goods class:	Not applicable
Australian Dangerous Goods packing group:	Not applicable
Hazchem code:	Not applicable

15. REGULATORY INFORMATION

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	6
Australian Inventory of Chemical Substances (AICS):	Listed
Australian Dangerous Goods class:	Not applicable
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ):	Not applicable



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16. ANY OTHER RELEVANT INFORMATION

Date of preparation:	29/11/2016
Revision number:	3
Changes in this revision:	Update to GHS SDS standard