



# 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)

TWO CAN EPOXY RETARDER

Product Number: FER182

## SAFETY DATA SHEET

### 1. IDENTIFICATION

#### Product Identifiers

Product Name: TWO CAN EPOXY RETARDER

Product Number: FER182

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](mailto:info@austspecialtyinks.com.au)

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



Poisons Schedule 5

Signal Words: DANGER



TWO CAN EPOXY RETARDER

Product Number: FER182

GHS Classification	Pictogram	Hazard Statement
Carcinogenicity - Category 2		H351 Suspected of causing cancer.
Serious Eye Damage/Irritation - Category 2A Acute Toxicity (Oral) - Category 4 Acute Toxicity (Dermal) - Category 4 Specific target organ toxicity (Single Exposure) – category 3		H319 Causes serious eye irritation. H302 Harmful if swallowed. H312 Harmful in contact with skin. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness

Precautionary statements:

<b>GENERAL</b> 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
<b>PREVENTATIVE</b> P201 P202 P261 P264 P271 P280 P281	Obtain special instructions before use Do not handle until all safety precautions have been read and understood Avoid breathing fume/mist/vapours/spray Wash thoroughly after handling. Use only outdoors or in a well ventilated area Wear protective gloves/eye protection/face protection Use personal protective equipment as required
<b>RESPONSE</b> P305+P351+P338 P308+P313 P301+ P312 P312 P330 P337+P313 P303+P361+P353+P363	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. If eye irritation persists: Get medical advice/attention. IF ON SKIN (or hair): Remove/take off all contaminated clothing and wash before reuse Rinse skin with water/shower.



TWO CAN EPOXY RETARDER

Product Number: FER182

P301+P312 P304+P340+P312	IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTRE or doctor/physician if you feel unwell.
<i>STORAGE</i> P403+P233 P405	Store in a well ventilated place. Keep container tightly closed. Store locked up
<i>DISPOSAL</i> P501	Dispose of contents/container in accordance with local regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients Names and Proportions

Chemical entity	CAS Number	Proportion
Isophorone	78-59-1	100%

4. FIRST-AID MEASURES

Description of necessary first aid measures

Inhalation:	Remove victim from exposure if safe to do so. If not breathing, give artificial respiration, if breathing is difficult give oxygen. Do not use mouth to mouth method. Induce artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory medical device. 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 shoes then wash skin thoroughly with water and follow by washing with soap if available. If irritation occurs seek medical advice. Thoroughly wash clothing and clean shoes before reuse.
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.



TWO CAN EPOXY RETARDER

Product Number: FER182

Skin Contact:	Will 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 include burning sensation, redness, swelling and/or blurred vision. Severe overexposure can result in injury or death.
Ingestion:	May include coughing, choking, wheezing, difficulty in breathing, chest congestion, vomiting, shortness of breath and/or fever. Irritation of the gastrointestinal tract. Central nervous depression (similar to drunkenness). Severe overexposure can result in injury or death.

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

## 5. FIRE-FIGHTING MEASURES

Clear fire area of all non-emergency personnel. Shut off product that may 'fuel' a fire if safe to do so. Eliminate ignition sources. 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.

### Flammability Conditions

Product is a combustible liquid.

### Suitable extinguishing equipment

Alcohol stable foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet. Do not allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

### 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.

### Special protective equipment and precautions for fire fighters

Wear liquid-tight chemical protective clothing and self-contained breathing apparatus.

Hazchem code: No data available

## 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



**Australian Specialty Inks Pty Ltd**

ABN 71 002 591 620

**17 Reaghs Farm Rd, Minto NSW2566**

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

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

**TWO CAN EPOXY RETARDER**

**Product Number: FER182**

bonding and earthing all equipment. Increase ventilation and avoid breathing vapours, gas or mist. Avoid walking through spilled product. Use clean, non-sparking tools and equipment.



## 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)

TWO CAN EPOXY RETARDER

Product Number: FER182

### 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.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Combustible product. Avoid breathing vapours. 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.

### Conditions for safe storage, including any incompatibilities

Do not store near strong oxidants. Avoid prolonged contact with natural, butyl or nitrile rubbers.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure control measures

The following exposure standard has been established by the Australian Safety and Compensation Council (ASCC).

TWA (parts per million) = 5 peak limitation

TWA (mg/m<sup>3</sup>) = 29 peak limitation

### Exposure Limits

No data available.

### Biological monitoring

No biological limit allocated.



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)

TWO CAN EPOXY RETARDER

Product Number: FER182

### **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.



TWO CAN EPOXY RETARDER

Product Number: FER182

### Individual protection measures

<b>Eye and face protection:</b>	Wear safety goggles.
<b>Skin protection:</b>	Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.
<b>Respiratory Protection:</b>	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 <sup>o</sup> C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.
<b>Thermal hazards:</b>	Not applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear light yellow liquid
<b>Odour:</b>	Peppermint like
<b>Odour threshold (ppm):</b>	Data not available
<b>Ph:</b>	Data not available
<b>Melting freezing point (°C):</b>	Data not available
<b>Initial boiling point and boiling range (°C):</b>	213 - 214
<b>Flash point (°C):</b>	96 (closed cup)
<b>Evaporation rate (Butyl acetate = 1):</b>	Data not available
<b>Flammability:</b>	Combustible
<b>Upper/lower flammability or explosive limits (%):</b>	.8 – 3.8





TWO CAN EPOXY RETARDER

Product Number: FER182

<b>Vapour pressure (@ 20°C):</b>	.33 - 1.3
<b>Vapour density (air = 1):</b>	4.8
<b>Density (g/ml @ 15°C):</b>	Data not available
<b>Solubility:</b>	12g/lt @ 20°C
<b>Partition coefficient n-octanol/water:</b>	Data not available
<b>Auto-ignition temperature (°C):</b>	Typical 462
<b>Decomposition temperature (°C):</b>	Data not available
<b>Kinematic viscosity (mm<sup>2</sup>/s @ 20°C):</b>	Data not available

## 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 oxidizing agents, acids and bases.

### 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.



TWO CAN EPOXY RETARDER

Product Number: FER182

11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	Expected to be of low toxicity - LD50 Oral (rat): 1870 mg/kg LD50 Inhalation (guinea pig): 8h - 4600ppm LD50 Dermal (rabbit): 1382mg/kg
<b>Skin corrosion/irritation:</b>	Mild irritant: LD50 Dermal (rabbit) 100-610 mg/kg. LD50 Dermal (guinea pig) 1200-2000 mg/kg. Will cause skin irritation. Prolonged contact may cause defatting of skin which can lead to dermatitis. Can be absorbed through skin with resultant adverse effects.
<b>Serious eye damage/irritation:</b>	Will irritate eyes.
<b>Respiratory or skin sensitisation:</b>	Not expected to be a sensitizer.
<b>Germ cell mutagenicity:</b>	Not mutagenic.
<b>Carcinogenicity:</b>	The agent is may cause cancer to humans.
<b>Reproductive toxicity:</b>	Not expected to affect reproduction.
<b>Specific Target Organ Toxicity (STOT) – single exposure:</b>	Is a respiratory irritant.



TWO CAN EPOXY RETARDER

Product Number: FER182

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute toxicity

<b>Fish:</b>	Expected to be toxic: 1 < LC/EC/IC50 170mg/l – 96h
<b>Aquatic invertebrate:</b>	Expected to be toxic: 1 < LC/EC/IC50 120mg/l – 48h
<b>Algae:</b>	Expected to be toxic: 1 < LC/EC/IC50 <= 10mg/l
<b>Microorganisms:</b>	Expected to be toxic: 1 < LC/EC/IC50 <= 10mg/l

#### Chronic toxicity

<b>Fish:</b>	Data not available
<b>Aquatic invertebrate:</b>	Data not available
<b>Algae:</b>	Data not available
<b>Microorganisms:</b>	Data not available

### Persistence and degradability

Expected to be readily biodegradable.

### Bioaccumulative potential

Has the potential to bioaccumulate.

### Other adverse effects

Data not available.



# Australian Specialty Inks Pty Ltd

ABN 71 002 591 620

17 Reaghs Farm Rd, Minto NSW2566

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

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

TWO CAN EPOXY RETARDER

Product Number: FER182

## 13. DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

## 14. TRANSPORT INFORMATION

<b>UN number:</b>	Not applicable
<b>Proper shipping name:</b>	Isophorone
<b>Australian Dangerous Goods class:</b>	C1 Combustible Liquids – Flash Point 61 - 150°C
<b>Australian Dangerous Goods packing group:</b>	Not applicable
<b>Hazchem code:</b>	Not applicable

## 15. REGULATORY INFORMATION

<b>Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:</b>	5
<b>Australian Dangerous Goods class:</b>	C1 Combustible Liquids – Flash Point 61 - 150°C
<b>Dangerous Goods Initial Emergency Response Guide (SAA/SNZ):</b>	Not applicable



# Australian Specialty Inks Pty Ltd

ABN 71 002 591 620

17 Reaghs Farm Rd, Minto NSW2566

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

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

TWO CAN EPOXY RETARDER

Product Number: FER182

## 16. ANY OTHER RELEVANT INFORMATION

<b>Date of preparation:</b>	27/11/2016
<b>Revision number:</b>	2
<b>Changes in this revision:</b>	Update to GHS SDS standard