



FLATTENING AGENT

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)

Product Number: FSU5619

## SAFETY DATA SHEET

### 1. IDENTIFICATION

#### Product Identifiers

Product Name: FLATTENING AGENT

Product Number: FSU5619

Recommended Use of the chemical and restrictions on use: Use as a matting agent

#### 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

Not classified as hazardous according to the Globally Harmonised System of Classification and labeling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7<sup>th</sup> edition)



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients Names and Proportions

Chemical entity	CAS Number	Proportion
Ingredients determined not to be hazardous		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:	The product is not skin irritating. If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
Eye Contact:	If in eyes, hold eyes open, flood with water for at least 15 minutes. Remove contact lenses. If symptoms develop and/or persist seek medical assistance.
Ingestion:	Do not induce vomiting. Ingestion considered unlikely due to product form. Wash out mouth thoroughly with water. Seek medical attention.

#### Symptoms caused by exposure

Inhalation:	Overexposure to alumina powder may result in mucous membrane irritation of the nose and throat.
Skin Contact:	No further relevant information available.
Eye Contact:	No further relevant information available.
Ingestion:	No further relevant information available.

Treat symptomatically.



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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing equipment

Foam  
Carbon dioxide  
ABC powder

### Unsuitable Extinguishing Media

Do not use water jet.

### Specific Hazards Arising From The Chemical

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen.

### Specific hazards arising from the chemical

This product will burn if exposed to fire.

### Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus when combating fire.

### Special protective equipment and precautions for fire fighters

Fire fighters should wear Self-Contained Breathing Apparatus operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers. Fight fire from safe location. This product should be prevented from entering drains and watercourses.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Avoid causing dust. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Increase ventilation.

### Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers.



## Methods and materials for containment and cleaning up

Remove dust accumulations on a regular basis by vacuuming or gentle sweeping to avoid creating dust clouds. Collect and place in dry, clean, pressure vented, metal containers for re-use or disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Before use carefully read safety information. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas. Prevent formation of dust. Any deposit of dust which cannot be avoided must be removed regularly. Protect from humidity and keep away from water.

### Information about protection against explosions and fires

Keep ignition sources away – Do not smoke.  
Protect against electrostatic charges.  
Dust can combine with air to form an explosive mixture.  
Reaction with water liberates extremely flammable gas (hydrogen)  
Use intrinsically safe equipment, non sparking tools.

### Conditions for safe storage

Store in a well cool, ventilated area, away from sunlight, ignition sources and other sources of heat. Store only in original container ensuring adequately labelled. Do not store with oxidizing, acidic or alkalis.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Control parameters

No exposure standards have been established for this material, however, the TWA exposure standards for dust not otherwise specified is  $10 \text{ mg/m}^3$ . As with all chemicals, exposure should be kept to the lowest possible levels.

### Exposure control measures

Personal protective equipment. Use suitable breathing protection if workplace concentration requires.  
Filter P1.  
Long cuffed gloves.  
Eye and face protection.  
Anti-static and fire resistant protective clothing and anti-static safety shoes.  
Wash hands during breaks and at the end of the work.

### 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 dust mists. Keep containers closed when not in use.

### Individual protection measures

<b>Eye and face protection:</b>	Wear safety goggles.
<b>Skin protection:</b>	Use leather 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° 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>	White coloured powder
<b>Odour:</b>	Odourless
<b>Odour threshold (ppm):</b>	Data not available
<b>pH:</b>	Data not available
<b>Melting point (°C):</b>	Data not available
<b>Initial boiling point and boiling range (°C):</b>	Data not available
<b>Flash point (°C):</b>	Not applicable
<b>Ignition Temperature (°C):</b>	Data not available
<b>Flammability:</b>	Not Flammable



<b>Danger of explosion:</b>	Data not available
<b>Critical values for explosion Lower (g/m<sup>3</sup>):</b>	Data not available
<b>Vapour density (air = 1):</b>	Data not available
<b>Density (g/m<sup>3</sup> @ 20°C):</b>	Data not available
<b>Solubility:</b>	Data not available

## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions of use. Possibility of hazardous reactions.

### Chemical stability

Stable under normal conditions of storage and handling.

### Possibility of hazardous reactions

Reacts with incompatible materials. May react with strong oxidizing agents (eg. chlorates, peroxides), especially at high temperatures.

### Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources. Product is combustible when heated > 300°C. Dust formation.

### Incompatible materials

May react with strong oxidizing agents (eg. chlorates, peroxides), especially at high temperatures.

### Hazardous Decomposition Products

Thermal decomposition may result in the release of toxic and/or irritating fumes including: carbon dioxide, carbon monoxide and oxides of nitrogen.

### Hazardous polymerisation

Will not occur.



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## 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity:</b>	No toxicity data available for this material.
<b>Skin corrosion/irritation:</b>	Contact may result in irritation, redness and rash
<b>Serious eye damage/irritation:</b>	Contact may result in irritation, redness and lacrimation.
<b>Respiratory:</b>	No sensitizing effect known. Inhalation of dust may irritate the respiratory system.
<b>Ingestion:</b>	May irritate the gastric tract causing nausea and vomiting.
<b>Germ Cell mutagenicity:</b>	Not expected to be mutagenic
<b>Carcinogenicity:</b>	No evidence of carcinogenic properties.
<b>Reproductive toxicity:</b>	Not expected to impair fertility
<b>Subacute to chronic toxicity:</b>	No effects known
<b>Additional toxicological information:</b>	Above given information is based on long term experience.



## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute toxicity

<b>Fish:</b>	No further relevant information available
<b>Aquatic invertebrate:</b>	No further relevant information available
<b>Algae:</b>	No further relevant information available
<b>Microorganisms:</b>	No further relevant information available

#### Chronic toxicity

<b>Fish:</b>	No further relevant information available
<b>Aquatic invertebrate:</b>	No further relevant information available
<b>Algae:</b>	No further relevant information available
<b>Microorganisms:</b>	No further relevant information available

### Persistence and degradability

Insoluble in water - can be separated from water mechanically in suitable effluent treatment plants.

### Bioaccumulative potential

Not available.

### Mobility

Non-volatile and absorption into soil solid phase not expected.

### Other adverse effects

Not available.

### Environmental Protection

Prevent this material entering waterways, drains and sewers.





13. DISPOSAL CONSIDERATIONS

Recycle where possible. Ensure waste disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION

<b>UN number:</b>	None allocated.
<b>Proper shipping name:</b>	None allocated.
<b>Australian Dangerous Goods class:</b>	None allocated.
<b>Australian Dangerous Goods packing group:</b>	None allocated.
<b>Hazchem code:</b>	None allocated.

15. REGULATORY INFORMATION

<b>Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:</b>	Not scheduled
<b>Australian Inventory of Chemical Substances (AICS):</b>	None allocated.
<b>Dangerous Goods Initial Emergency Response Guide (SAA/SNZ):</b>	None allocated.

16. ANY OTHER RELEVANT INFORMATION

<b>Date of preparation:</b>	22/03/2019
<b>Revision number:</b>	1