



# Australian Specialty Inks Pty Ltd

ABN 71 002 591 620

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MINERAL TURPS

Product Number: FSU1636

## SAFETY DATA SHEET

### 1. IDENTIFICATION

#### Product Identifiers

Product Name: MINERAL TURPS

Product Number: FSU1636

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

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#### 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 (7<sup>th</sup> Edition).

Poisons Schedule 5

Signal Word: DANGER



MINERAL TURPS

Product Number: FSU1636

GHS Classification	Pictogram	Hazard Statement
Flammable Liquids, Category 3		H226 Flammable liquid and vapour
Skin Corrosion/Irritation Category 2 Serious Eye Damage/Irritation Category 2A Specific Target Organ Toxicity (Single Exposure) Category 3		H315 Causes skin irritation H319 Causes serious eye irritation H335 May cause respiratory irritation
Aspiration Hazard, Category 1		H304 May be fatal if swallowed and enters airways.
Chronic Aquatic Toxicity, Category 2		H411 Toxic to aquatic life with long lasting effects.

Precautionary statements:

<b>GENERAL</b>	P101 If medical advice is needed, have product container or label at hand P102 Keep out of reach of children P103 Read label before use
<b>PREVENTATIVE</b>	P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking P233 Keep container tightly closed P240 Ground/bond container and receiving equipment P241 Use explosion-proof electrical/ventilation/lighting equipment P242 Use only non-sparking tools P243 Take precautionary measures against static discharge P264 Wash thoroughly after handling P271 Use only outdoors or in well ventilated area P273 Avoid release to the environment



MINERAL TURPS

Product Number: FSU1636

P280	Wear protective gloves/eye protection/face protection
<b>RESPONSE</b>	
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with plenty of soap and water
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P330+P331	Rinse mouth. Do NOT induce vomiting
P332+P313	If skin irritation occurs: Get medical advice/attention
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313	If exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation occurs: Get medical advice/attention
P370+P378	In case of fire: Use foam, dry chemical or carbon dioxide for extinction
P362	Take off contaminated clothing and wash before reuse
P391	Collect spillage
<b>STORAGE</b>	
P403+P233+P235	Store in a well ventilated place. Keep container tightly closed. Keep cool
P405	Store locked up
<b>DISPOSAL</b>	
P501	Dispose of contents/container in accordance with local regulations

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients Names and Proportions

Chemical entity	CAS Number	Proportion (%)
Solvent Naphtha (petroleum), light aromatic	64742-95-6	< 40
Low Aromatic White Spirit	64742-82-1	< 70
With components		
1,2,4 Trimethyl benzene	95-63-6	< 25
1,3,5 Trimethyl benzene	108-67-8	< 15
1,2,3 Trimethyl benzene	526-73-8	< 5
n-Propylbenzene	103-65-1	< 5
Cumene	98-82-8	< 5
Xylene, Mixed Isomers	1330-20-7	< 20

### 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.
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MINERAL TURPS

Product Number: FSU1636

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. If symptoms persist transport to nearest medical facility for additional treatment.
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.
Skin Contact:	May include burning sensation, redness, swelling and/or a dried/cracked appearance.
Eye Contact:	May include burning and temporary redness.
Ingestion:	May cause mild gastrointestinal irritation.

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

#### Special protective equipment and precautions for fire fighters

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



## 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.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

Flammable 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 and corrosives. Store in a well-ventilated area, away from sunlight, ignitions sources and other sources of heat.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure control measures

In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia the following is recommended to be adopted: 100 mg/m<sup>3</sup> TWA (8hr).



MINERAL TURPS

Product Number: FSU1636

### 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

<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>	Colourless/pale yellow liquid
<b>Odour:</b>	Aromatic
<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>	148 - 200



MINERAL TURPS

Product Number: FSU1636

<b>Flash point (°C):</b>	31 (Abel)
<b>Evaporation rate (Butyl acetate = 1):</b>	Data not available
<b>Flammability:</b>	Flammable
<b>Upper/lower flammability or explosive limits (%):</b>	.01 – 7.00
<b>Vapour pressure (@ 20°C):</b>	Typical 0.5
<b>Vapour density (air = 1):</b>	4.35
<b>Density (g/ml @ 15°C):</b>	.78 - .82
<b>Solubility:</b>	Not miscible with water
<b>Partition coefficient n-octanol/water:</b>	Data not available
<b>Auto-ignition temperature (°C):</b>	Typical 300
<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.



MINERAL TURPS

Product Number: FSU1636

### Incompatible materials

Strong oxidizing agents.

### 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

<b>Acute toxicity:</b>	Low toxicity: LD50 Oral (rat): > 2000 mg/kg
<b>Skin corrosion/irritation:</b>	Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.
<b>Serious eye damage/irritation:</b>	Mild irritant.
<b>Respiratory or skin sensitisation:</b>	Not expected to be a sensitizer.
<b>Germ cell mutagenicity:</b>	Not mutagenic.
<b>Carcinogenicity:</b>	Not expected to be carcinogenic.
<b>Reproductive toxicity:</b>	Not expected to affect reproduction.
<b>Specific Target Organ Toxicity (STOT) – single exposure:</b>	May cause respiratory irritation.
<b>Specific Target Organ Toxicity (STOT) – repeated exposure:</b>	Central nervous system: repeated exposure affects the nervous system.
<b>Aspiration hazard:</b>	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.





MINERAL TURPS

Product Number: FSU1636

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute toxicity

<b>Fish:</b>	Expected to be toxic: 1 < LC/EC/IC50 <= 10mg/l
<b>Aquatic invertebrate:</b>	Expected to be toxic: 1 < LC/EC/IC50 <= 10mg/l
<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. Oxidises by photo-chemical reactions in air.

### Bioaccumulative potential

Has the potential to bioaccumulate.

### Mobility in soil

Floats on water. Adsorbs to soil and has low mobility.

### Other adverse effects

Data not available.



MINERAL TURPS

Product Number: FSU1636

13. DISPOSAL CONSIDERATIONS

Ensure waste disposal conforms to local waste disposal regulations.

14. TRANSPORT INFORMATION

<b>UN number:</b>	1300
<b>Proper shipping name:</b>	Turpentine Substitute
<b>Australian Dangerous Goods class:</b>	3
<b>Australian Dangerous Goods packing group:</b>	III
<b>Hazchem code:</b>	3Y

15. REGULATORY INFORMATION

<b>Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:</b>	5
<b>Australian Dangerous Goods class:</b>	3
<b>Dangerous Goods Initial Emergency Response Guide (SAA/SNZ):</b>	14



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## 16. ANY OTHER RELEVANT INFORMATION

<b>Date of preparation:</b>	5/03/2020
<b>Revision number:</b>	1
<b>Changes in this revision:</b>	Update to GHS SDS standard