



# SAFETY DATA SHEET

## SECTION 1 IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

<b>Product Identifier</b>	<b>RECOSOL 100 EXCISE FREE</b>
<b>Other Names</b>	Petroleum Naphtha
<b>Manufacturer's Product Code</b>	16100
<b>Recommended Use</b>	Industrial solvent

### Details of Supplier/Manufacturer

Company:	Recochem Inc. ABN: 69 010 485 999
Address:	1809 Lytton Road, Lytton, Queensland 4178
Phone:	(07) 3308 5200 Fax: (07) 3308 5201
Website:	www.recochem.com.au



### Emergency Telephone Numbers

Business Hours:	(07) 3308 5200
After Hours:	1300 131 001
Poisons Information:	Australia: 13 11 26 New Zealand: 0800 764 766

## SECTION 2 HAZARDS IDENTIFICATION

<b>Hazardous chemical</b>	<i>according to classification by Safe Work Australia</i>
<b>Dangerous goods</b>	<i>according to the Australian Code for the Transport of Dangerous Goods by Road and Rail</i>

<b>Signal Word</b>	<b>DANGER</b>
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GHS Classification	Pictogram	Hazard statement
Flammable Liquids, Category 3	 FLAME	H226 Flammable liquid and vapour
Aspiration Hazard, Category 1	 HEALTH HAZARD	H304 May be fatal if swallowed and enters airways
Germ Cell Mutagenicity, Category 1B		H340 May cause genetic defects
Carcinogenicity, Category 1A		H350 May cause cancer
Specific Target Organ Toxicity (Repeated Exposure), Category 1		H372 Causes damage to organs through prolonged or repeated exposure

**Product: RECOSOL 100 EXCISE FREE**

Skin Corrosion/Irritation, Category 2	 EXCLAMATION MARK	H315 Causes skin irritation
Serious Eye Damage/Irritation, Category 2A		H319 Causes serious eye irritation

**Precautionary statements:**

<i>GENERAL</i>	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
<i>PREVENTATIVE</i>	P201 Obtain special instructions before use P202 Do not handle until all safety precautions have been read and understood P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking P233 Keep container tightly closed P240 Ground and bond container and receiving equipment P241 Use explosion-proof electrical/ventilation/lighting equipment P242 Use non-sparking tools P243 Take action to prevent static discharge P260 Do not breathe mist/vapours/spray P264 Wash thoroughly after handling P270 Do not eat, drink or smoke when using this product P280 Wear protective gloves/eye protection/face protection
<i>RESPONSE</i>	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): Take off immediately all contaminated clothing. Rinse skin with water/shower P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P308 + P313 IF exposed or concerned: Get medical advice/attention P308 + P313 IF exposed or concerned: Get medical advice/attention P331 Do NOT induce vomiting P332 + P313 If skin irritation occurs: Get medical advice/attention P337 + P313 If eye irritation persists: Get medical advice/attention P362 + P364 Take off contaminated clothing and wash it before reuse P370 + P378 In case of fire: Use foam/water spray/fog for extinction
<i>STORAGE</i>	P403 + P235 Store in a well-ventilated place. Keep cool P405 Store locked up
<i>DISPOSAL</i>	P501 Dispose of contents/container in accordance with local regulations

**SECTION 3 COMPOSITION AND INFORMATION ON INGREDIENTS**

**Ingredients Names and Proportions**

Chemical Entity	CAS Number	Proportion (%)
Solvent naphtha (petroleum), light aromatic	64742-95-6	100
With components:		
1,2,4 Trimethylbenzene	95-63-6	< 40
1,3,5 Trimethylbenzene	108-67-8	< 20
Xylene, Mixed Isomers	1330-20-7	< 20
1,2,3 Trimethylbenzene	526-73-8	< 10
n-Propylbenzene	103-65-1	< 10
Cumene	98-82-8	< 5
Note – product contains < 0.1% benzene		

**SECTION 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.
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:	May include itching and redness.
Eye:	May include burning and temporary redness.
Ingestion:	May cause mild gastrointestinal irritation.

**Medical attention and special treatment**

Treat symptomatically.

**SECTION 5 FIRE FIGHTING MEASURES**

**Suitable extinguishing equipment**

Foam, water spray or fog. Dry chemical powder or carbon dioxide for small fires only. Do not use water in a jet.

**Specific hazards arising from the chemical**

Carbon monoxide may be evolved if incomplete combustion occurs. 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 full protective clothing and self-contained breathing apparatus. Hazchem code 3Y.

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## SECTION 6 ACCIDENTAL RELEASE MEASURES

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### 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 labelled, sealable container for product 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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## SECTION 7 HANDLING AND STORAGE

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### 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 earthing all equipment.

### Conditions for safe storage, including any incompatibilities

Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near aerosols, strong oxidants and corrosives.

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## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Exposure control measures

In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe Australia, use: Aromatic solvents 169-185, HSPA 100mg/m<sup>3</sup> TWA (8hr).

### 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.

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Colourless liquid
Odour:	Aromatic
Odour threshold (ppm):	Data not available
pH:	Data not available
Melting point/freezing point (°C):	Data not available
Initial boiling point and boiling range (°C):	Typical 148 - 182
Flash point (°C):	38 - 47 (Abel)
Evaporation rate (Butyl acetate = 1):	< 1
Flammability:	Flammable
Upper/lower flammability or explosive limits (%):	0.6 – 7.0
Vapour pressure (kPa @ 20°C):	Typical 0.8 kPa
Vapour density (air = 1):	4.3
Density (g/ml @ 15°C):	0.87 - 0.88
Solubility (kg/m <sup>3</sup> ):	Not miscible with water
Partition coefficient: n-octanol/water:	Data not available
Auto-ignition temperature (°C):	Typical 460
Decomposition temperature (°C):	Data not available
Kinematic viscosity (mm <sup>2</sup> /s @ 40°C):	Data not available

**SECTION 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 oxidising agents.

**Hazardous decomposition products**

Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Acute toxicity:	Expected to be of low toxicity - LD50 Oral (rat) > 2000mg/kg LD50 Dermal (rat) > 2000mg/kg LC50 (rat, 4h) greater than near-saturated vapour concentration
Skin corrosion/irritation:	May cause skin irritation. Prolonged contact may cause defatting of skin which can lead to dermatitis
Serious eye damage/irritation:	May cause mild irritation to eyes
Respiratory or skin sensitisation:	Not expected to be a sensitiser
Germ cell mutagenicity:	Not expected to be mutagenic
Carcinogenicity:	Not expected to be carcinogenic
Reproductive toxicity:	Not expected to impair reproduction
Specific Target Organ Toxicity (STOT) – single exposure:	May cause respiratory irritation
Specific Target Organ Toxicity (STOT) – repeated exposure:	Continued inhalation may result in unconsciousness and/or death. Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss
Aspiration hazard:	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal

**SECTION 12 ECOLOGICAL INFORMATION**

**Ecotoxicity**

Acute toxicity:

Fish –	Toxic: 1 < LC/EC/IC50 <= 10mg/l
Aquatic invertebrate –	Toxic: 1 < LC/EC/IC50 <= 10mg/l
Algae –	Toxic: 1 < LC/EC/IC50 <= 10mg/l
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**

Readily biodegradable. Oxidises by photo-chemical reactions in air.

**Bioaccumulative potential**

Has the potential to bioaccumulate.

**Mobility in soil**

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

**Other adverse effects**

Data not available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Ensure waste disposal conforms to local waste disposal regulations.

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**SECTION 14 TRANSPORT INFORMATION**

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<b>UN number:</b>	1268
<b>Proper shipping name:</b>	Petroleum Distillates, N.O.S. (Petroleum Naphtha)
<b>Australian Dangerous Goods class:</b>	3
<b>Australian Dangerous Goods packing group:</b>	III
<b>Hazchem code:</b>	3Y

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**SECTION 15 REGULATORY INFORMATION**

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Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), Poisons Schedule:	5
Australian Inventory of Chemical Substances (AICS):	Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76):	14

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**SECTION 16 OTHER INFORMATION**

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<b>Date of preparation:</b>	01/02/2022
<b>Revision number:</b>	7
<b>Changes in this revision:</b>	Reviewed due to expiration

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This SDS summarises product safety information at the date of issue, to the best of our knowledge, as a general guide. Recochem cannot anticipate or control the conditions under which the product is used, so prior to usage each user must assess and control the risks associated with their use of the product. Users should also consult the relevant legislation governing the use and storage of this product. We make no warranties, express or implied, and assume no liability in connection with any use of information contained within this document. If clarification or further information is needed, the user should contact Recochem on (07) 3308 5200.

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