

# SAFETY DATA SHEET

## MIXED AROMATIC, PARAFFINIC AND NAPHTHENIC HYDROCARBON

Infosafe No.: IA1TM  
ISSUED Date : 24/12/2021  
ISSUED by: RECOCHEM INC.

### 1. Identification

**GHS Product Identifier**

MIXED AROMATIC, PARAFFINIC AND NAPHTHENIC HYDROCARBON

**Company name**

RECOCHEM INC. (ABN 69 010 485 999)

**Address**

1809 Lytton Road Lytton  
QLD 4178 AUSTRALIA

**Telephone/Fax Number**

Tel: (07) 3308 5200

Fax: (07) 3308 5201

**Emergency phone number**

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

**Recommended use of the chemical and restrictions on use**

Thinner for enamel paint

**Other Names**

Name	Product Code
RECOSOL ENAMEL THINNERS	17032

### 2. Hazard Identification

**GHS classification of the substance/mixture**

Aspiration Hazard: Category 1

Flammable Liquids: Category 2

Skin Corrosion/Irritation: Category 2

Toxic to Reproduction: Category 1A

Carcinogenicity category 1A

Germ cell mutagenicity category 1B

STOT Repeated Exposure: Category 1

Eye Damage/Irritation: Category 2A

STOT Single Exposure: Category 3 (narcotic)

Hazardous to the Aquatic Environment - Long-Term Hazard: Category 3

STOT Single Exposure: Category 3 (respiratory tract irritation)

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H340 May cause genetic defects.

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H350 May cause cancer.  
H360 May damage fertility or the unborn child.  
H372 Causes damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

### Precautionary statement – General

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.

### Pictogram (s)

Health hazard, Flame, Exclamation mark



### Precautionary statement – Prevention

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  
P271 Use only outdoors or in a well-ventilated area  
P273 Avoid release to the environment  
P280 Wear protective gloves/eye protection/face protection

### Precautionary statement – Response

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.  
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.  
P314 Get medical advice/attention if you feel unwell.  
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.  
P370+P378 In case of fire: Use foam/water spray/fog to extinguish/ for extinction.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P391 Collect spillage.

### Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.

### Precautionary statement – Disposal

P501 Dispose of contents/container in accordance with local regulations

### 3. Composition/information on ingredients

#### Ingredients

Name	CAS	Proportion
Xylene	1330-20-7	<30 %
Toluene	108-88-3	<20 %
Solvent naphtha (petroleum), light aromatic	64742-95-6	<20 %
Solvent naphtha (petroleum), light aliphatic	64742-89-8	<20 %
Naphtha (petroleum), hydrodesulphurized heavy	64742-82-1	<30 %
With components:		-
1,2,4 TRIMETHYLBENZENE	95-63-6	<10 %
1,3,5 Trimethylbenzene	108-67-8	<6 %
1,2,3 Trimethylbenzene	526-73-8	<2 %
n-Propylbenzene	103-65-1	<2 %
cumene	98-82-8	<2 %
N-Hexane	110-54-3	<1 %
Note - product contains < 0.1% benzene		-

### 4. 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.

#### 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.

#### Skin

If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. If symptoms occur, transport to the nearest medical facility for treatment.

#### Eye contact

If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms occur, transport to nearest medical facility for additional treatment.

#### Indication of immediate medical attention and special treatment needed if necessary

Treat symptomatically.

### 5. Fire-fighting measures

#### Suitable Extinguishing Media

Foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet.

#### Special Protective Equipment for fire fighters

Wear full protective clothing and self-contained breathing apparatus.

#### Specific Hazards Arising From The Chemical

Carbon dioxide. 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.

#### Hazchem Code

3YE

## Decomposition Temperature

Data not available

## 6. Accidental release measures

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### Personal Precautions

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.

### Clean-up Methods - Small Spillages

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.

### Clean-up Methods - Large Spillages

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.

### 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.

## 7. Handling and storage

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### Precautions for Safe Handling

Highly 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 strong oxidants.

## 8. Exposure controls/personal protection

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### Occupational exposure limit values

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia -

Mineral Spirits 150-200 HSPA: 350mg/m<sup>3</sup> TWA (8hr)

Aromatic solvents 169-185 HSPA: 100mg/m<sup>3</sup> TWA (8hr)

Hydrocarbon: 450mg/m<sup>3</sup> TWA (8hr)

Toluene: 191mg/m<sup>3</sup> (50ppm) TWA (8hr), 574mg/m<sup>3</sup> (150ppm) STEL

Xylene: 350mg/m<sup>3</sup> (80ppm) TWA (8hr), 655mg/m<sup>3</sup> (150ppm) STEL

### Biological Limit Values

No biological limit allocated.

### Appropriate 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.

### 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.

### Eye Protection

Wear safety goggles.

### Hand Protection

Skin protection:

Use solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

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### Thermal Hazards

Not applicable.

## 9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Colourless liquid
Odour	Aromatic	Decomposition Temperature	Data not available
Boiling Point	50°C - 194°C	Solubility	Negligible
pH	Data not available	Vapour Pressure	Data not available
Vapour Density (Air=1)	> 1	Evaporation Rate	Data not available (Butyl acetate = 1)
Odour Threshold	Data not available	Partition Coefficient: n-octanol/water	Data not available
Density	0.81 - 0.82 (g/ml @ 15°C)	Flash Point	-30°C (Closed Cup)
Flammability	Highly flammable	Auto-Ignition Temperature	Typical 300 °C
Flammable Limits - Lower	0.6%	Flammable Limits - Upper	8.0%
Kinematic Viscosity	Data not available	Melting/Freezing Point	Data not available

## 10. Stability and reactivity

### Reactivity

Stable under normal conditions of use.

### Chemical Stability

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.

### Possibility of hazardous reactions

Stable under normal conditions of use.

## 11. Toxicological Information

### Toxicology Information

Acute toxicity:

Expected to be of low toxicity -

### Acute Toxicity - Oral

LD50 Oral (rat) > 2000mg/kg

### Ingestion

May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever.

### 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.

**Skin**

May include redness, swelling, pain and/or blisters.

**Eye**

May include burning sensation, redness, swelling and/or blurred vision.

**Skin corrosion/irritation**

May cause irritation to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.

**Serious eye damage/irritation**

May cause irritation to eyes.

**Respiratory sensitisation**

Not expected to be a sensitiser.

**Skin Sensitisation**

Not expected to be a sensitiser.

**Germ cell mutagenicity**

May cause mutagenicity.

**Carcinogenicity**

May be carcinogenic.

**Reproductive Toxicity**

Toluene - Experiments have shown reproductive toxicity effects in male and female laboratory animals. Suspected human reproductive toxicant. Damage to foetus possible.

**STOT-single exposure**

Inhalation of vapours or mists may cause irritation to the respiratory system.

**STOT-repeated exposure**

High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

**Aspiration Hazard**

Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

## 12. Ecological information

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**Ecotoxicity**

Acute toxicity:

Aquatic invertebrate - Harmful:  $10 < LC/EC/IC50 \leq 100\text{mg/l}$

Microorganisms - Low toxicity:  $1 < LC/EC/IC50 > 100\text{mg/l}$

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.

**Mobility**

Mobility in soil

Floats on water, highly mobile and may contaminate groundwater.

**Bioaccumulative Potential**

Does not bioaccumulate significantly.

**Other Adverse Effects**

Data not available.

**Acute Toxicity - Fish**

Toxic:  $1 < LC/EC/IC50 \leq 10\text{mg/l}$

**Acute Toxicity - Algae**

Low toxicity:  $1 < LC/EC/IC50 > 100\text{mg/l}$

### 13. Disposal considerations

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#### Waste Disposal

Ensure waste disposal conforms to local waste disposal regulations.

### 14. Transport information

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#### U.N. Number

1993

#### UN proper shipping name

FLAMMABLE LIQUID, N.O.S.

#### Transport hazard class(es)

3

#### Packing Group

II

#### Hazchem Code

3YE

#### IERG Number

14

#### UN Number (Air Transport, ICAO)

1993

#### IATA/ICAO Proper Shipping Name

Flammable liquid, n.o.s.

#### IATA/ICAO Hazard Class

3

#### IATA/ICAO Packing Group

II

#### IMDG UN No

1993

#### IMDG Proper Shipping Name

Flammable liquid, n.o.s.

#### IMDG Hazard Class

3

#### IMDG Pack. Group

II

### 15. Regulatory information

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#### Regulatory information

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76): 14

#### Poisons Schedule

S6

#### Australia (AICS)

Listed

## 16. Other Information

### User Codes

User Title Label	User Codes
Wis Numbers	02207305
Wis Numbers	02207322
Wis Numbers	03633315

### Revisions Highlighted

Changes in this revision:

Reviewed due to expiration

### Other Information

Revision number: 7

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