



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: RECOSOL 212

Company: Recochem Inc. ABN: 69 010 485 999
Address : 1809 Lytton Road, Lytton, Queensland 4178
Phone: (07) 3308 5200 Fax: (07) 3308 5201
Emergency Telephone Number: (07) 3308 5200 Day, After Hours 1300 131 001

Other Names: Heat transfer oil
Manufacturer's Product Code: 16277
Recommended Use: Heat transfer oil

SECTION 2 HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
NOT A DANGEROUS GOODS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbol: Xn - Harmful
Risk Phrases: R65 - Harmful: May cause lung damage if swallowed
Safety Phrases: S2 - Keep out of the reach of children
S23 - Do not breathe vapour
S24 - Avoid contact with skin
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)
S53 - Avoid exposure-obtain special instructions before use
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show container or label

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

<i>Chemical Entity</i>	<i>CAS Number</i>	<i>Proportion (%)</i>
Distillates (Petroleum), Solvent De-waxed Light Paraffinic	64742-56-9	100
Contains < 0.1% w/w benzene		

SECTION 4 FIRST AID MEASURES

FIRST AID TREATMENT

Swallowed: If swallowed, do NOT induce vomiting. Wash out mouth with water.
Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. If persistent irritation occurs transport to nearest medical facility for additional treatment.
Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
Inhaled: 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.

First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

Advice to Doctor: Treat symptomatically.

Additional Information: None available.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, water spray or fog, dry chemical powder. Do not use water in a jet.

Hazards from combustion products: Likely to give rise to complex mixtures on combustion, including oxides of carbon.

Product: RECOSOL 212

Precautions for Fire Fighters and Special Protective Equipment: Wear full protective clothing and self-contained breathing apparatus.

Additional Information: Combustible.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations.

Spills and Disposal: Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Methods and Materials for Containment and Clean Up Procedures: 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.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling and Storage: Avoid prolonged or repeated contact with material. Use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.

Flammability: Combustible.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: NOHSC has set the following exposure limits for oil mists: 5mg/m³ TWA (8hr), 10mg/m³ STEL.

Biological Limit Values: No biological limit allocated.

Personal Protective Equipment:

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 and select a filter for organic gases and vapours (boiling point > 65 Deg C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Hand Protection: Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).

Eye Protection: Wear safety goggles.

Protective Clothing: Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

Engineering Controls: Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use.

SECTION 9 IDENTIFICATION

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

Appearance	Amber liquids
Odour	Odourless
pH:	N/A
Vapour Pressure (kPa @ 20°C):	0.002
Vapour Density (air = 1)	> 1
Boiling Point (°C):	> 280
Freezing/Melting Point (°C):	-15 (pour point)
Solubility in Water	Negligible
Specific Gravity (g/ml @ 15°C):	0.868
Flashpoint (°C):	230 (CC)
Flammability Limits (%):	1 - 10
Auto Ignition Temperature (°C):	> 320

Product: RECOSOL 212

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: Avoid extremes of temperature.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: None expected.

SECTION 11 TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: Expected to be of low toxicity: LD50 expected to be > 2000mg/kg.

Eye: Expected to be slightly irritating.

Skin: Expected to be slightly irritating.

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

Chronic: Prolonged and/or repeated contact can result in defatting of skin which can lead to irritation and possibly dermatitis.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic organisms: No acute toxicity to aquatic organisms is expected at the maximum water solubility of this material

Mobility: Floats on water. If enters soil will adsorb to soil and will not be mobile.

Persistence/degradability: Not expected to be readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 TRANSPORT INFORMATION

UN Number:	N/A	Proper Shipping Name:	N/A
Class:	N/A	Subsidiary Risk:	N/A
Packing Group:	N/A	Hazchem Code:	N/A
Special Precautions for User:	None		

SECTION 15 REGULATORY INFORMATION

Poisons Schedule : None allocated

AICS : Listed

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:2010) : N/A

SECTION 16 OTHER INFORMATION

Further Information may be obtained by contacting Recochem on (07) 3308 5200

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.
