

Material Safety Data Sheet Pine Solv

Section 1. Identification

Product Name: Pine Solv

Other Names: Di-Pentene Mixture

Recommended Use: Stain Remover, Heavy Duty Tar and Glue Remover

Supplier: Genesis Industrial Pty Ltd, 4/25 Transport Avenue, Paget 4740 **Phone No:** 07 49522608

Emergency Phone No - 13 11 26 – Poisons Information Centre

Section 2. Hazards Identification

Hazard Classification Classified as hazardous
DANGEROUS GOODS. Class 3 Flammable
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s) Flammable. Irritating to skin. May cause sensitisation by skin contact.

Safety Phrase(s) S2 Keep out of reach of children.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell seek medical advice immediately
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

Section 3. Composition Information

Ingredient Name	CAS No	Proportions
Pine Terpenes	5989-27-5	100%

Section 4. First Aid

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766) or a doctor.

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical assistance.

Notes to physician: Treat symptomatically.

Section 5. Fire Fighting Measures

Specific Hazards: Flammable liquid. May form flammable vapour mixtures with air. Avoid all ignition sources. Flameproof equipment is necessary in all areas where this chemical is being used. Nearby equipment must be earthed. Vapour may travel a considerable distance to source of ignition and flash back.

Electrical requirements for work area should be assessed according to AS3000.

Fire-fighting advice: Heating can cause expansion or decomposition of the material, which can lead to the containers exploding. If safe to do so, remove containers from the path of fire. On burning will emit toxic fumes. Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Media: Foam, dry agent (carbon dioxide, dry chemical powder).

Section 6. Accidental Release Measures

Shut off all possible sources of ignition. Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours.

Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material).

Collect and seal in properly labelled containers for disposal. If contamination of sewers or waterways has occurred advise local emergency services.

Section 7. Handling and Storage

Handling advice: Avoid skin and eye contact and breathing in vapour.

Storage advice: Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heater ignition.

Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks or build up of pressure

Container Type: Store in original packaging as approved by manufacturer.

Section 8. Exposure Controls and Personal Protection

No value assigned for this specific material by the National Occupational Health and Safety Commission.

Engineering Control Measures:

Use in well ventilated areas. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour respirator. Vapour heavier than air - prevent concentration in hollows or sumps. **DO NOT** enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Personal Protective Equipment:

SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.

Wear overalls, safety glasses and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour respirator meeting the requirements of AS/NZS 1715 and AS/NZS1716. Always wash hands before smoking,

Section 9. Physical and Chemical Properties

Physical state:	Liquid
Colour:	Colourless to Yellow
Odour:	Strong Pine
Solubility:	Sparingly soluble in water. Very soluble in 95% ethanol .
Specific Gravity:	0.84
Relative Vapour Density (air=1):	4.7
Vapour Pressure (20 °C):	0.19 kPa
Flash Point (°C):	48 (CC)
Flammability Limits (%):	0.7 - 6.1
Autoignition Temperature (°C):	237
% Volatile by Weight:	>92
Solubility in water (g/L):	0.0138 at 25°C
Boiling Point/Range (°C):	175.5 - 176
Partition Coefficient:	4.23

Section 10. Stability and Reactivity

Reacts with strong oxidising agents .

Incompatible with oxidising agents, acidic clays and mineral acids .

Combustible material that has been soaked with d-limonene may spontaneously combust. Peroxides formed by oxidation may present an explosion hazard if they become highly concentrated through distillation.

Section 11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea and abdominal pain.

Eye contact: May be an eye irritant.

Skin contact: Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.

Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways). Breathing in vapour can result in headaches, dizziness and possible nausea.

Toxicological Data:

Oral LD50 (rat): 4,400 - 5,300 mg/kg

Dermal LD50 (rabbit): >5,000 mg/kg

Section 12. Ecological Information

Avoid contaminating waterways.

Environmental fate, persistence and degradation: The material is partially biodegradable.

Aquatic toxicity:

Very toxic to aquatic organisms. Risk of bioaccumulation in an aquatic species is high. May cause long term adverse effects in the aquatic environment.

Section 13. Disposal Considerations

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Empty containers must be decontaminated and destroyed. Normally suitable for incineration by an approved agent.

Section 14. Transport Information

Road and Rail Transport

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

UN No: 2319

Class-primary 3 Flammable Liquid

Packing Group: III

Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S. (CONTAINS D-LIMONENE)

Hazchem Code: 3[Y]

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.

UN No: 2319

Class-primary: 3 Flammable Liquid

Packing Group: III

Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S. (CONTAINS Di-Pentene)

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods

Regulations for transport by air.

UN No: 2319

Class-primary: 3 Flammable Liquid

Packing Group: III

Proper Shipping Name: TERPENE HYDROCARBONS, N.O.S. (CONTAINS D-LIMONENE)

Section 15. Regulatory Information

Classification: This material is hazardous according to criteria of NOHSC.

Xn: Harmful

Xi: Irritant

Risk Phrase(s): R10: Flammable. R38: Irritating to skin. R43: May cause sensitisation by skin contact. R50: Very toxic to aquatic organisms. R53: May cause long term adverse effects in the aquatic environment.

Safety Phrase(s): S2: Keep out of the reach of children.

S24: Avoid contact with skin.

S36/37: Wear suitable protective clothing and gloves.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions safety data sheets.

Poisons Schedule: None allocated.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

Section 16. Other Information

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this MSDS in the context of how the product will be handled in the workplace and in conjunction with other materials. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

Contact Person/Point Genesis Industrial Pty Ltd, Technical Manager

MSDS Date: 23rd December 2015