



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

**Rubbersolutions Asia-Pacific Ltd**

## **SAFETY DATA SHEET**

**P250 Tyre Spruce**

### **1. IDENTIFICATION**

Product Name: P250 Tyre Spruce

Other Names: Aliphatic hydrocarbon

Chemical 'Family': Aliphatic, cycloparaffinic hydrocarbon

Molecular formula: N/A

Recommended Use: Application to tyres to refresh their appearance

Supplier: Rubber Solutions Asia-Pacific Ltd

ABN: PO Box 40-604 Upper Hutt

Street Address: South Pacific Industrial Park, Railway Ave, Upper Hutt

Telephone: 64-4-5285071

Fax: 64-4-5285074

Emergency phone: 027-2274026

All other inquiries: 027-2274026

### **2. HAZARDS IDENTIFICATION**

Product is classified as hazardous according to Schedules 1 to 6 of the *Hazardous Substances (minimum Degrees of Hazard) Regulations 2001* of the HSNO Act, 1996.

**HSNO Classifications:** 3.1B, 6.1E, 6.3A, 6.9, 9.1B

**Signal word:** DANGER



#### **Risk Phrases:**

H225 Very flammable liquid & vapour

H315 Causes skin irritation

H411 Toxic to aquatic life with long lasting effects

H411 Very toxic to terrestrial invertebrates

H305 May be fatal if swallowed and enters airways

H336 May cause drowsiness or dizziness

#### **Safety Phrases:**

P103 Read label before use

P210 Keep away from ignition sources such as heat/sparks/open flame/hot surfaces. No smoking

Date of Issue: 9/12/14

P250

Page 1 of 10

Date of Review: 04/09/19



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

Rubbersolutions Asia-Pacific Ltd

## SAFETY DATA SHEET

P250 Tyre Spruce

P231 Keep container tightly closed  
P243 Take precautionary measures against static discharge  
P261 Do not breathe dust/fumes/gas/mist/vapours/spray  
P264 Wash hands thoroughly after using  
P271 Use only outdoors or in well-ventilated area  
P273 Avoid release to the environment  
P280 Use protective gloves, protective clothing and eye protection  
PP61 Call a POISON CENTRE or Doctor if exposed or if you feel unwell

Dangerous Goods Classification: 3

Poisons Schedule

### 3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%v/v)
Heptanes	142-82-5	50-60
Cyclohexane	110-82-7	20-30
Methylcyclohexane	108-87-2	<20
n-Hexane	110-54-3	<2
Octane	111-65-9	<5
Polydimethylsiloxane	63148-62-9	8-15

### 4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone: 0800 Poison 764 766) or a doctor.

#### Ingestion:

If swallowed do NOT induce vomiting...give water. Use mouth to nose rather than mouth to mouth with artificial respiration. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs. Keep at rest. Obtain medical attention.

#### Eye Contact:

Hold eyelids apart & flush the eye continuously with running water. Continue for at least 15 minutes or till advised by National Poisons Centre (0800 746 766). Obtain medical attention if irritation persists.

#### Skin Contact:

If skin or hair contact occurs, remove contaminated clothing & wash skin and hair with soap and water.



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

**Rubbersolutions Asia-Pacific Ltd**

## **SAFETY DATA SHEET**

**P250 Tyre Spruce**

---

### **Inhalation:**

Move to fresh air immediately. Keep person warm, and at rest in a position comfortable for breathing. If respiratory irritation, dizziness, nausea or unconsciousness occurs, seek immediate medical assistance. Begin artificial respiration if breathing stopped

### **First Aid facilities:**

Provide eye baths & safety showers close to areas where splashing may occur.

### **Medical Attention:**

Treat according to symptoms. Gastric lavage may be indicated if ingested. If ingested, material may be aspirated into the lungs and cause chemical pneumonitis, treat appropriately. General measures should be taken to control acidosis & maintain urine output.

This product contains light hydrocarbon material, or a component, may be associated with cardiac sensitisation following very high exposure (well above occupational exposure limits) or with concurrent exposure to high stress levels or heart stimulating substances like epinephrine. Administration of such substances should be avoided.

## **5. FIRE FIGHTING MEASURES**

Evacuate area. Shut off product that may fuel a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

### **Suitable extinguishing media:**

Dry chemical, Carbon Dioxide or foam

### **Hazards from combustion products:**

Smoke, fume, Carbon Dioxide & Carbon Monoxide. Do NOT use straight streams of water on fire. Use water spray to cool fire exposed surfaces and to protect personnel

### **Precautions for fire fighters and special protective equipment:**

Full protective clothing, and in enclosed spaces wear self-contained breathing apparatus (SCBA). Vapour is flammable and heavier than air. Vapour may travel across the ground and reach remote sources of ignition causing a flashback fire danger

### **Hazchem Code:**

3YE



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

Rubbersolutions Asia-Pacific Ltd

## SAFETY DATA SHEET

P250 Tyre Spruce

---

### 6. ACCIDENTAL RELEASE MEASURES

#### Emergency Procedures

Prevent fluid from escaping to drains & waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined spaces. Ensure drain valves are closed, clean up and report spills immediately. Use water spray to disperse vapours, cool fire exposed surfaces if there is a fire.

#### Methods and materials for containment

##### **Major Land Spill**

- Eliminate sources of ignition
- Warn occupants of downwind areas of possible fire & explosion hazard, evacuate if necessary
- Prevent liquid from entering sewers, watercourses, or low-lying areas
- Do not walk through or touch spilled material
- Keep public away from the area
- Shut off the source of the spill if possible and safe to do so
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation
- Take measures to minimise the effect on ground water
- Contain, absorb or cover spilled liquid with sand or earth, other non-combustible material
- A vapour-suppressing foam may be used to reduce vapour
- Consult an expert on disposal of recovered material & ensure conformity to disposal rules
- See "First Aid Measures" and "Stability and Reactivity"

##### **Major Water Spill**

- Eliminate any source of ignition
- Warn occupants & shipping in downwind areas of possible fire & explosion hazard
- Notify the port or relevant authority & keep public away
- Shut off the source of spill if possible & safe to do so
- Confine spill if possible
- Remove the product from the surface by skimming or with absorbent material
- Consult an expert before using dispersants and on disposal of recovered material & ensure conformity to local regulations of disposal
- See "First Aid Measures" and "Stability and Reactivity"

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

This product is flammable. Do NOT open near open flame, sources of heat or ignition

No smoking



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

Rubbersolutions Asia-Pacific Ltd

## SAFETY DATA SHEET

P250 Tyre Spruce

Keep container closed & handle with care.

### **Conditions for safe storage**

Store in a cool, dry place away from direct sunlight. Do not cut, heat or weld containers

### **Incompatible materials**

Butyl Rubber, EPDM, Polystyrene, strong oxidising agents

## **8. EXPOSURE CONTROLS: PERSONAL PROTECTION**

### **National Health Exposure Standards**

The following Workplace Exposure standards (WES) have been set by the Occupational Safety and Health Service, New Zealand Department of Labour for components in this substance.

	WES - TWA	WES -STEL
Heptane	400 ppm; 1640 mg/m <sup>3</sup>	500 ppm; 2050 mg/m <sup>3</sup>
Cyclohexane	100 ppm; 350 mg/m <sup>3</sup>	300 ppm; 1050 mg/m <sup>3</sup>
Hexane (bio)	20 ppm; 72 mg/m <sup>3</sup>	
Methylcyclohexane	400 ppm; 1610 mg/m <sup>3</sup>	

Supplier's recommendation for this product is WES-Time weighted average (TWA) is 159mg/m<sup>3</sup> (600 mg/m<sup>3</sup>)

### **Biological limit values**

For guidance; n-hexane in urine, 0.4 mg/L (as 2,5-hexanedione without hydrolysis)

### **Engineering Controls: Ventilation**

The use of local exhaust ventilation is recommended to control process emissions near the source.

### **Personal Protective Equipment**

#### **Respiratory Protection:**

Where concentrations in air may exceed the limits described in the National Exposure Standards it is recommended to use a half-face mask to avoid inhalation. Type 'A' filter material to be used

#### **Eye Protection:**

Always use safety glasses or face shield when handling this product



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

Rubbersolutions Asia-Pacific Ltd

## SAFETY DATA SHEET

P250 Tyre Spruce

### Skin/Body Protection:

Long sleeves & long trousers recommended with enclosed footwear or safety boots. Chemical resistant gloves to be used

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance		Clear and colourless liquid
Boiling Point	°C	75-120
Flash Point	°C	<-22 (ASTM D56, TCC)
Density @ 15 °C	g/ml	0.76
Vapour Pressure @ 20 °C	kPa	8.65
Explosive Limits (LEL-UEL)	%	1-7
Vapour Density @ 20 °C	kPa	N/A
Autoignition Temperature	°C	>200
Viscosity @ 20 °C	cSt	N/A
Percent Volatiles	%	85
Solubility with Water	%w/w	negligible

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

### 10. STABILITY AND REACTIVITY

#### Chemical Stability

Stable @ room temperature

#### Conditions to avoid

Sources of heat & ignition, open flame, static electricity

#### Hazardous decomposition products

No decomposition products except on burning

#### Hazardous reactions

Oxidising agents, mineral acids. phosphorous & chlorine



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

Rubbersolutions Asia-Pacific Ltd

## SAFETY DATA SHEET

P250 Tyre Spruce

---

### 11. TOXICOLOGICAL INFORMATION

#### Acute Effects

##### ***Ingestion***

Aspiration into the lungs may cause chemical pneumonitis or pulmonary oedema which can be fatal. Produces hallucinations & narcotic effects, drowsiness with volume ingestion. .fatigue, loss of appetite, paresthesia in distal extremities, muscle weakness, cold pulsation in extremities, blurred vision, headache & nausea. Vomiting may cause this product to be aspirated to the lungs resulting in chemical pneumonitis or pulmonary oedema

##### ***Eye Contact***

This product is irritating to the eyes but will not permanently damage eye tissue

##### ***Skin Contact***

Expected to be a slight irritant, may result in cracking & dryness

##### ***Inhalation***

Irritating to respiratory tract. Large concentrations over an extended period may cause muscle weakness, tingling extremities, blurred vision, headaches, nausea, loss of appetite, hallucinations, act as an anaesthetic and may have other central nervous system effects

#### Chronic Effects

Possible damage to peripheral nervous system, possibly arms & legs

Prolonged skin exposure may cause defatting of the skin which can lead to dermatitis.

#### Other Health Effects Information

Contains n-hexane with experimental teratogenic & reproductive effects Use in conjunction with MEK will greatly enhance effects

#### Toxicological Information

n-hexane: 28710mg/kg (oral, rat)

### 12.ECOLOGICAL INFORMATION

#### Eco toxicity

HSNO classification 9.4A – Substance which is very toxic to terrestrial invertebrates.





P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

Rubbersolutions Asia-Pacific Ltd

## SAFETY DATA SHEET

P250 Tyre Spruce

### Aquatic Toxicity

Fish Toxicity (rainbow trout, goldfish, bluegill). ..LC50(96hr). .toxic to aquatic organisms Bluegreen algae...possible with continuous exposure

### Persistence/degradability

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

### Mobility

Highly volatile & rapidly evaporates to the air if released into water

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Empty-packaging-to recycling, recovery or disposal through qualified contractor...ensure empty packaging allowed to dry first

### Special Precautions for Landfill or Incineration

NOT suitable for landfill. Ashless & can be burned in appropriate equipment

## 14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	3295	UN No	3295	UN No	3295
Proper Shipping Name	85% Liquid Hydrocarbon	Proper Shipping Name	85% Liquid Hydrocarbon	Proper Shipping Name	85% Liquid Hydrocarbon
DG Class	3	DG Class	3	DG Class	3
Sub Risk	None	Sub Risk	None	Sub Risk	None
Pack Group	II	Pack Group	II	Pack Group	II
Hazchem	3YE	Hazchem	3YE		

### Dangerous Goods Segregation

Product classified as DG Class 3, packing group II. Please consult the Land Transport Rule: DG2005 & NZS 5455: 1999 Transport of Dangerous Goods on Land for information





P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
www.rubbersolutions.co.nz.

Rubbersolutions Asia-Pacific Ltd

## SAFETY DATA SHEET

P250 Tyre Spruce

---

### 15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

**Country/Region:** New Zealand

**Environmental Risk Management Authority (ERMA) Group Standard Number:**  
Solvents (Flammable) Group Standard 2017, HSR002650

The following items have been taken from the SDS for the pure solvent and can be considered a useful guide for handling P250.

**Certified Handler:** Not Required

**Restriction to Workplace:** Not applicable.

**Signage:** Threshold Quantity: 250 Litres

**Fire Extinguishers:** Threshold Quantity: 250 Litres

**Emergency Response Plan:** Threshold Quantity: 1000 Litres

**Secondary containment:** Threshold Quantity: 1000 Litres

**Other:** Location and transit depot test certification: 100 litres (closed containers greater than 5 Litres); 250 Litres (closed containers up to and including 5 Litres); 50 Litres (open containers).

**Hazardous atmosphere zone:** 100 litres (closed containers); 25 litres (decanting); 5 Litres (open occasionally); 1 Litre (open containers in continuous use).

**Inventory:** NZCIC

**Status:** Listed

Poisons Schedule: None established

### 16. OTHER INFORMATION

Reasons for issue: Add Regulatory Information in Section 15.

Abbreviations:

NZCIC. NZ Chemical Industry Council

CAS Number: Chemical Abstracts Number

#### References:

- Supplier Material Safety Data Sheets



P.O Box 40604  
Upper Hutt 5140  
New Zealand  
Phone 64 4 5285071  
[www.rubbersolutions.co.nz](http://www.rubbersolutions.co.nz)

**Rubbersolutions Asia-Pacific Ltd**

## **SAFETY DATA SHEET**

**P250 Tyre Spruce**

---

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. For further information, please contact Rubber Solutions Asia-Pacific Ltd.

Link to: [Rubber Solutions web page](#)