

# SOLVENT SUPPLIES LTD

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## Section 1: Identification of the Material and Supplier

**Product Name:** Mineral Turpentine  
**Other Names:** Mineral Turpentine solvent, turpentine substitute high flash point, mineral turpentine high aromatic, white spirit, HAWS.  
**Recommended use:** Solvent used as a raw material e.g. in paints and as a cleaning product e.g. cleaning painting equipment, brushes and rollers.  
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**Emergency Telephone Numbers:**  
New Zealand Poisons Centre: 0800 764 766  
Police, Fire, Ambulance: 111

## Section 2: Hazards Identification

**Hazard Identification:** Hazardous substance according to NZ HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.

**EPA Approval Code:** HSR002652  
Refer to [www.epa.govt.nz](http://www.epa.govt.nz) for Controls for this substance.

<b>HSNO Classifications:</b>	3.1C, 6.1E, 6.3B, 6.7B, 6.8B, 6.9B, 9.1B
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### Pictograms:



**Signal Word:** DANGER

Hazardous Statements	Prevention Statements
H226 Flammable liquid and vapour.	P102 Keep out of reach of children.

H304 May be fatal if swallowed and enters airways.	P103 Read label before use.
H316 Causes mild skin irritation.	P201 Obtain special instructions before use.
H336 May cause drowsiness or dizziness.	P202 Do not handle until all safety precautions have been read and understood.
H351 Suspected of causing cancer.	P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
H361 Suspected of damaging fertility or the unborn child.	P233 Keep container tightly closed.
H373 May cause damage to organs through prolonged or repeated exposure.	P240 Ground/bond container and receiving equipment.
H411 Toxic to aquatic life with long lasting effects.	P241 Use explosion-proof electrical, ventilating and lighting equipment.
	P242 Use only non-sparking tools.
	P243 Take precautionary measures against static discharge.
	P260 Do not breathe mist/vapours.
	P271 Use only outdoors or in a well ventilated area.
	P273 Avoid release into the environment.
	P280 Wear protective gloves and protective eye/face protection.
	P281 Use personal protection equipment as required.

#### Response Statements:

P314	Get medical advice if you feel unwell.
P308+P313	If exposed or concerned: Get medical advice.
P101	If medical advice is needed have product container or label at hand.
P301+P310	If swallowed immediately call a Poison Centre or doctor.
P331	Do not induce vomiting.
P303+P361+P353	If on skin or hair remove immediately all contaminated clothing. Rinse skin with water.
P332+P313	If skin irritation occurs get medical advice.
P370+P378	In case of fire use foam, dry chemical or carbon dioxide (CO2).
P391	Collect spillage.

#### Storage Statement:

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

#### Disposal Statement:

P501	Dispose of product to a landfill in accordance with any local regulations.
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### Section 3: Composition/Information on Ingredients

Common Name	CAS No:	% w/w
Mineral turpentine	Mixture	100

***This is a complex mixture that contains:***

Paraffinic solvents	Mixture	~35%
Cyloparaffinic solvents	Mixture	~20%
CB and higher aromatic solvents	Mixture	~45%

***Typically a blend of:***

Solvent naphtha petroleum, medium aliphatic	CAS No: 64742-88-7	45 to 55%
Naphtha petroleum, light aromatic	CAS NO: 64742-95-6	45 to 55%

***And which may contain:***

Xylene	CAS NO: 1330-20-7	
Ethylbenzene	CAS NO: 100-41-4	
Trimethylbenzene (mixed isomers)	CAS NO: 25551-13-7	

**Section 4: First Aid Measures**

Consult the National Poison Centre (Phone New Zealand 0800 764 766 or (0800) POISON or a doctor in every case of suspected poisoning. If medical advice is needed, have product label or container at hand.

<b>Ingestion:</b>	Rinse mouth with water. <b>Do not induce vomiting.</b> Call a Poison Centre or doctor for advice. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
<b>Inhalation:</b>	Move person to fresh air and keep warm and at rest until recovered. Call a Poison Centre or doctor for advice or take to local medical facility if person feels unwell. If breathing is difficult, give oxygen.
<b>Skin:</b>	Remove immediately all contaminated clothing. Wash affected area with plenty of water followed by soap and water. Get medical advice if skin irritation occurs. Wash contaminated clothing/footwear before reuse.
<b>Eyes:</b>	Hold eyelids open and rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do after the first 5 minutes. Continue rinsing for at least 15 minutes. Get medical attention if irritation persists.

**Notes to Physician:** Treat symptomatically. Potential for chemical pneumonitis. Consider gastric lavage with protected airway.

**Section 5: Fire Fighting Measures**

<b>Extinguishing media:</b>	Use water fog or mist or alcohol-resistant foam. Use dry chemical powder, carbon dioxide, sand or earth for small fires only. <b>Do NOT</b> use water in a jet.
<b>Fire and Explosion Hazards:</b>	Above the flashpoint, vapour-air mixtures are explosive. In case of fire, avoid breathing smoke. Prevent extinguishing water from getting into the aquatic environment.
<b>Specific Hazards:</b>	Vapour is heavier than air, will spread across the ground and distant ignition is possible. Cool fire exposed containers with large quantities of water.
<b>Fire Fighting Equipment:</b>	Wear self-contained breathing apparatus and personal protection

equipment.

Section 6:

Accidental Release Measures

<b>Spills:</b>	<p>Wear personal protective equipment. Avoid contact with skin and eyes. Flammable liquid. Shut off leak if safe to do so. Remove or isolate ignition sources. Take precautions against static discharge. Bound or ground (earth) all equipment. Use non-sparking tools. Ventilate contaminated area. Isolate hazard area and keep unnecessary and unprotected people away from area. Stay upwind and keep out of low lying areas.</p> <p>Contain spill. Avoid run off into drains and sewers. Do not contaminate watercourses or the ground.</p> <p><i>For large spills (more than a drum):</i> Recover liquid and transfer by mechanical means to labeled salvage tank that can be sealed for recovery or disposal of product. Do not flush away residues with water. Allow residues to evaporate. Remove any contaminated soil and dispose of safely by waste management company.</p> <p><i>For small spills:</i> Absorb with an appropriate material e.g. vermiculite, and dispose of waste safely in a labeled sealed container for recovery or disposal.</p> <p><b>If contamination of drains, sewers or water ways occurs immediately notify Emergency Services (111).</b></p>
<b>Disposal:</b>	<p>Dispose of contaminated waste or product to a solvent recycling facility or to an approved landfill in accordance with local regulations.</p>

Section 7:

Handling and Storage

<b>Handling:</b>	<p>Flammable liquid and vapour. Read label before use. Keep container closed when not in use. Use only in well ventilated areas. No smoking. Avoid breathing vapours or direct contact with product. Wear personal protective equipment. Wash hands and exposed skin after handling.</p> <p>Remove ignition sources. Avoid sparks. Electrostatic charge may be generated during pumping with risk of fire. Restrict line viscosity to avoid generation of electrostatic discharge. (<math>\leq 1\text{m/sec}</math> until fill pipe submerged to twice its diameter, then <math>\leq 7\text{m/sec}</math>).</p> <p>Take precautions to use bonded or grounded (earthed) equipment. Do not use compressed air for filling, discharging or handling.</p>
<b>Storage:</b>	<p>Ensure all storage areas have adequate fire-fighting equipment. Store securely in closed original container in a cool, dry well ventilated place away from sunlight, ignition sources, heat, incompatible substances, aerosols, other flammables, oxidizing agents and corrosives. Keep out of the reach of children and away from food, drink and animal foodstuffs.</p> <p>Vapour heavier than air. Take precautions to avoid accumulation of vapours in pits and confined spaces.</p>
<b>Recommended Materials:</b>	<p>No specific information available.</p>
<b>Unsuitable Materials:</b>	<p>Natural rubber, butyl rubber, EDPM, polystyrene.</p>

Section 8:	Exposure Controls/Personal Protection
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**Exposure Guidelines:**

NZ Workplace Exposure Standards (WES) have been set for components in this substance:

	WES-TWA	WES-STEL
Xylene	50 ppm (217 mg/m <sup>3</sup> )	
Trimethylbenzene (mixed isomers)	25 ppm (123 mg/m <sup>3</sup> )	
Ethylbenzene	100 ppm (434 mg/m <sup>3</sup> )	125 ppm (543 mg/m <sup>3</sup> )

**Biological Exposure Indices:**

<b>Xylene:</b>	0.25g of the sum of mandelic acid and phenyl glyoxylic acids/g creatinine in urine.
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<b>Engineering Controls:</b>	Use only in well ventilated area. A half-face filter mask suitable for organic gases and vapours (boiling point >65°C) is recommended. Otherwise, use a full-face mask fitted with organic vapour respiratory protection. Where air filtering respirators are unsuitable (e.g. air borne concentrations are high risk or oxygen deficiency, confined space) use positive pressure breathing apparatus.
<b>Personal Protective Equipment (PPE):</b>	Wear protective clothing. Safety shoes or boots need to be chemically resistant. Wear appropriate chemical resistant gloves e.g. Viton. Wear chemical goggles if splash or aerosol/mist exposure risk. Refer to the relevant AS/NZ Standards for appropriate personal protective equipment.

Section 9:	Physical and Chemical Properties
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Property	Typical Value
Appearance:	Clear, colourless liquid
Odour:	Mild petroleum
Odour Threshold:	Not available
pH:	Not applicable
Melting point/Freezing Point(°C) :	Not available
Boiling Point/Boiling Range (°C):	145 – 200 (typical)
Flash Point (°C):	31 to 36 (typical)
Flammability (solid, gas):	Not applicable
Upper/Lower flammability limits in air (% v/v):	0.4 to 6.0 (approximately)
Vapour Pressure (kPa @ 20°C):	< 3.325
Vapour Density (air=1):	4.3 to 4.8 (approximately)
Relative Density at 20°C, g/cc:	0.82 – 0.86
Solubility in Water:	Negligible
Partition coefficient: n/octanol/water:	Not available
Auto ignition Temperature (°C):	Not available
Decomposition Temperature (°C):	Not available
Dynamic Viscosity (mPa.s @ 20°C):	Not available

Volatile Organic Carbon Content:	Not available
Evaporation rate (nBuAc=1):	Not available

Section 10:	Stability and Reactivity
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<b>Stability:</b>	Stable under normal conditions of storage and use.
<b>Conditions to avoid:</b>	Avoid heat, sparks, open flames and other ignition sources.
<b>Incompatibility (Materials to avoid):</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products:</b>	Dependent on conditions under which the decomposition occurs; gases (complex mixtures and include carbon monoxide, carbon dioxide) will be evolved.
<b>Hazardous Polymerization:</b>	Not known to occur.

Section 11:	Toxicological Information
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**Potential Health effects:** This section includes possible adverse effects which could occur if this product is not handled in the recommended manner.

<b>Acute Toxicity:</b>	Inhalation of high concentrations may cause central nervous system depression resulting in symptoms including headaches, dizziness and drowsiness. Prolonged continuing exposure may result in unconsciousness and/or death.
<b>Aspiration Hazard:</b>	Aspiration into the lungs can cause chemical pneumonitis which can be fatal.
<b>Respiratory Irritation:</b>	Inhalation of vapours may be irritating to the respiratory system.
<b>Skin Corrosion/Irritation:</b>	Mild skin irritant.
<b>Serious Eye Damage/Irritation:</b>	Mild eye irritant.
<b>Respiratory or Skin Sensitisation:</b>	Not classified.
<b>Germ Cell Mutagenicity:</b>	Not classified.
<b>Carcinogenicity:</b>	Ethylbenzene which may be present in this product, is identified as a suspected cause of cancer.
<b>Reproductive Toxicity:</b>	Not classified.
<b>Specific Organ Toxicity (Repeated and Single Exposure):</b>	If inhaled may cause adverse effects through prolonged or repeated exposure. May cause central nervous system depression. Symptoms of over-exposure can include headache, dizziness and drowsiness.
<b>Narcotic Effects:</b>	Symptoms of overexposure can include dizziness and drowsiness.
<b>Toxicological Data:</b>	Not available for mixture.
<b>Xylene:</b>	Oral, mouse LD50: 1590 mg/kg b.w Inhalation: LC50 (4hr) rat: 27.6 mg/L

*No additional information available.*

Section 12:	Ecological Identification
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<b>Eco-toxicity:</b>	This product has been classified as being toxic to aquatic life with long lasting effects. Avoid release to the environment.
<b>Persistence and Bio-Degradability:</b>	Most components are readily biodegradable.
<b>Potential for Bio-Accumulation:</b>	Some components with potential to bio-accumulate.
<b>Mobility in Soil:</b>	Product has minimal solubility in water but may be mobile in soil. May contaminate groundwater. Avoid contamination of drains and waterways.
<b>Other Adverse Effects:</b>	Not available
<b>Eco-toxicity Data:</b>	Not available for product.

Section 13:	Disposal Considerations
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**Disposal:**

Recover and recycle product whenever possible. Send clean, dry drums to recycling facility or metal scrap reclaimer. Dispose of waste in accordance with Regional Authority or local council bylaws.

**Special Precautions:**

Ensure empty containers are vented and dry. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Do not use empty drums for storing other products.

Section 14:	Transport Information
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This product is classified as Dangerous Goods Class 3, packing group III.

Please consult the Land Transport Rule: Dangerous Goods 2005 and NZS 5433:2012 Transport of Dangerous Goods on Land for Information.

Transport Information:	
UN Number:	1300
Proper Shipping Name:	Turpentine Substitute
DG Class:	3
Sub Risk:	-
Pack Group:	II
Hazchem:	3Y
Marine Pollutant:	Yes



Section 15:	Regulatory Information
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**Hazardous substance according to the HSNO Act 1996 Hazardous Substances (Classification) Notice 2017.**

**HSNO Substance Approval Code:** HSR002652, Solvents (Flammable, Toxic [6.7] Group Standard 2017.

Refer to Section 2 for hazardous classification and to [www.epa.govt.nz](http://www.epa.govt.nz) for controls and conditions.

For additional compliance information, refer to Worksafe NZ [www.worksafe.govt.nz](http://www.worksafe.govt.nz)

Section 16:	Other Information
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**Issue Date:** March 2019  
**Replaces:** SDS dated 24 June 2014  
**Reasons for issue:** Review of SDS

**Abbreviations:**

CAS No: Chemical Abstracts Service Number  
EPA Environmental Protection Authority  
HSNO: Hazardous Substances & New Organisms  
TWA: Time Weighted Average  
STEL: Short Term Exposure Limit

**Safety data sheets are updated frequently. Please ensure you have a current copy.**

**Disclaimer:**

*Before using any product, read its label carefully and ensure that you understand its contents. The information contained herein is based on data considered accurate and reliable to the best of our knowledge and belief of the date compiled. However no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use hereof. Solvent Supplies Limited assumes no responsibility for personal injury or property damage to vendors, users or third parties caused by the material. Such users or vendor assume all risks associated with the use of the material. It is the user's responsibility to satisfy themselves as to the suitability and completeness of the information for their own particular use. The users must determine whether the use of the information and data is in accordance with local laws and regulations.*