

# SOLVENT SUPPLIES LTD

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## Section 1: Identification of the Material and Supplier

**GHS Product Identifier:** Solvent A150  
**Product Code:** ASOLV10011  
**Other Names:** C10, Pegasol R150, Shellsol AB  
**Recommended use:** Solvent for use only in industrial manufacturing processes.  
**Company Name:** Solvent Supplies Limited  
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**Emergency Telephone:**  
New Zealand:

**0800 737 363 Monday to Friday 8.00am – 4.30pm**  
**New Zealand Poisons Centre: 0800 764 766**

Australia

**1800 738 383**  
**Australian Poisons Centre: 1800 131 126**

## Section 2: Hazards Identification

### EMERGENCY OVERVIEW

**EPA New Zealand Approved Code: HSR 002656 (Combustible, toxic (6.7) Group Standard 2006**

**HSNO Hazard Classification:** 3.1D, 6.1E, 6.3B, 6.4A, 6.7B, 6.8B, 6.9B, 9.1B

Refer to [www.epa.govt.nz](http://www.epa.govt.nz) for Controls for this substance.



**Signal Word:** DANGER

#### Hazard statements

H302	Harmful if swallowed.
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Product Name: Solvent 150  
Date of Use: March 2019  
Review by: March 2024

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H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H333	May be harmful if inhaled.
H351	Suspected of causing cancer.
H361	Suspected of damaging fertility or the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.
H433	Harmful to terrestrial vertebrates.

### Prevention Statements

P102	Keep out of reach of children.
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe vapors.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P280	Wear protective gloves and protective eye/face protection.
P281	Use personal protective equipment as required.

### Response Statements

P101	If medical advice is needed, have product container or label at hand.
P301+P310	If swallowed immediately call a poison centre or doctor.
P330	Rinse mouth.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P312	Call a POISON CENTRE or a doctor if you feel unwell.
P362	Take off contaminated clothing and wash before re-use.
P303+P361+P352	If on skin or hair wash remove immediately all contaminated clothing. Rinse skin with water.
P304+P340	If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P 337+P313	If eye irritation persists: Get medical advice.

P308+P313	If exposed or concerned: Get medical advice.
P370+P378	In case of fire use water fog or mist or alcohol-resistant foam.
P314	Get medical advice if you feel unwell.

#### Storage Statement

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

#### Disposal Statement

P501	Dispose of product and container in accordance with local regulations.
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### Section 3: Composition/Information on Ingredients

Common name	CAS No:	% w/w
Aromatic Hydrocarbon, c9-C11	64742-94-5	40-50%
1,2,3,5 tetramethylbenzene	527-53-7	20-30%
1,2,4,5 tetramethylbenzene	95-93-2	10-20%
Naphthalene	91-20-3	5-10%

### Section 4: First Aid Measures

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

Ingestion:	Rinse mouth with water. Do NOT induce vomiting. Get immediate medical assistance. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
Inhalation:	Move person to fresh air and keep warm and at rest. Get immediate medical assistance. Do NOT delay. If breathing is difficult, give oxygen.
Skin:	Remove immediately all contaminated clothing and footwear. Wash affected area with plenty of water followed by soap and water. Get medical advice if redness, swelling or blisters occur. Wash contaminated clothing/footwear before re-use.
Eyes:	Hold eyes 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 ON PHYSICIAN:** Treat symptomatically. Risk of aspiration into lungs resulting in chemical pneumonitis which may be fatal. Consider gastric gavage with protected airway and administration of activated charcoal. Potential for cardiac sensitization particular in abuse situations. Hypoxia or negative inotropes may enhance these effects; consider oxygen therapy.

### Section 5: Fire Fighting Measures

Flash Point: 60-64 °C	Flammable Limits: LFL: 0.6%	UFL: 7.0%
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Product Name: Solvent 150  
Date of Use: March 2019  
Review by: March 2024

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<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. Do NOT use water in a jet.
<b>Fire &amp; Explosion Hazards:</b>	The vapor is heavier than air and can spread across ground and distant ignition is possible. Above flash point, vapor-air mixtures are explosive within the flammable limits given above. Avoid breathing smoke. Prevent extinguishing water from getting into the aquatic environment.
<b>Specific Hazards:</b>	Cool fire exposed containers with large quantities of water.
<b>Fire-fighting equipment:</b>	Wear personal protection equipment and self-contained breathing apparatus.

Section 6:	Accidental Release Measures
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**Spills:**

Flammable liquid. Vapor forms explosive mixture with air. Isolate hazard area and keep unnecessary and unprotected people away from area. Stay upwind and keep out of low lying areas.

Wear personal protective equipment. Avoid contact with skin and eyes.

Shut off leak if safe to do so. Remove or isolate ignition sources. Contain spill. Avoid run off into drains or sewers. Do not contaminate watercourses or the ground. Take precautions against static discharge. Bound or ground (earth), all equipment. Ventilate contaminated area. The vapor is heavier than air and can spread across ground and accumulate in low-lying areas; distant ignition is possible.

*For large spills* (more than a drum) recover liquid and transfer by mechanical means to labeled salvage tank that can be sealed for recovery or disposal of product. Allow residues to evaporate. Water can be used to disperse vapors and to clean spill area although prevent water from entering sewers or drains. Remove any contaminated soil and dispose of safely by waste management company.

*For small spills* absorb with an appropriate material e.g. vermiculite and dispose of waste safely in a labeled sealed container for recovery or disposal

If contamination of drains, sewers or waterways occurs immediately notify Emergency Services (111).

**Disposal:**

Dispose of contaminated waste of product to an approved enclosed controlled burner or incinerator or to hazardous landfill in accordance with local regulations.

Section 7:	Handling and Storage
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**Handling:**

Read label before use. Use only in well ventilated areas. Avoid breathing vapors or direct contact with product. Wear personal protective equipment.

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.

Take precautions to use bonded or grounded (earthed) equipment. No smoking. Do not use compressed air for filling, discharging or handling.

Use only in well-ventilated area. Keep container closed when not in use. Wear personal protective equipment to prevent breathing of and contact with product. Wear gloves and protect eyes from splashes. Wash hands and exposed skin after handling.

**Storage:**

Ensure all storage areas have adequate fire-fighting equipment. Store in closed original container in a secure cool, dry and well ventilated place, away from sunlight, ignition sources, heat, incompatible substance, aerosols, other flammables, oxidizing agents and corrosives, out of reach of children and away from food, drink and animal foodstuffs.

Take precautions to avoid accumulation of vapors in pits and confined spaces. For containers or contained linings, use mild steel or stainless steel.

Avoid contact with natural, butyl, neoprene or nitrile rubbers.

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

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

	WES-TWA	WES-STEL
Naphthalene	10 ppm (52 mg/m <sup>3</sup> )	15 ppm (79 mg/m <sup>3</sup> )

**Engineering Controls:**

Use only in a well ventilated area. A half face filter mask suitable for organic gases and vapors (boiling point > 65°C) may be suitable for low concentration level exposures. Otherwise a full piece organic vapor respiratory protective equipment is required. Where air filtering respirators are unsuitable (e.g. air-borne concentrations are high, risk or oxygen deficiency, confined space) use positive pressure breathing apparatus.

**Personal Protection Equipment (PPE):**

Wear impervious antistatic protective clothing including safety shoes or boots. Wear appropriate chemical resistant gloves e.g. Viton. For incidental/splash contact, nitrile rubber gloves are suitable. Avoid contact with eyes. 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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Form:	Liquid
Colour:	Clear, colourless
Odour:	Aromatic
Odour threshold:	0.27 ppm
Boiling point (°C)	174 – 215 (typical)

Flash point ( °C)	63 > (typical)
Flammability limits in air (% v/v):	1.0 to 7.1
Vapor pressure (kPa at 20 °C):	0.370
Density at 15 °C, g/cc:	0.79
Solubility in water:	Immiscible
pH:	Not applicable

Section 10:	Stability and Activity
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<b>Stability (Conditions to avoid):</b>	Stable under normal storage and use conditions. Avoid heat, sparks, open flames and other ignition sources. Reacts violently with strong oxidizing agents. Prevent vapor accumulation.
<b>Incompatibility (materials to avoid):</b>	Strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Dependent on conditions under which decomposition occurs; gases will be complex mixture and include carbon monoxide and carbon dioxide.
<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 might occur if this product is not handled in the recommended manner.*

***Ingestion:***

Harmful if swallowed. Symptoms of overexposure arise from central nervous system depression e.g. fatigue, confusion, headache, dizziness and drowsiness. Aspiration into the lungs can cause chemical pneumonitis which can be fatal.

***Inhalation:***

May be harmful if inhaled. May cause irritation of upper respiratory tract. Symptoms of overexposure include central nervous system depression including headache, dizziness and nausea. If this material enters the lungs, symptoms may be coughing, choking, wheezing and difficulty in breathing. Note that the onset of respiratory symptoms may be delayed for several hours after exposure. Exposure to high concentration may cause unconsciousness and death.

***Skin Contact:***

Irritating to the skin. Symptoms may include burning sensation, redness, swelling and/or blisters. Harmful by skin contact. May be absorbed through skin.

***Eye Contact:***

Irritating to the eyes. Symptoms can include redness, swelling and/or blurred vision.

***Systemic (other target organ) effects:***

If ingested or inhaled may cause adverse effects through prolonged or repeated exposure. Affects the central nervous system with possible adverse effects such as impairing short term memory, balance and reaction time. Possible effects on auditory systems, i.e. hearing loss.

**Cancer Information:**

Ethylbenzene which may be present in this product as a component at between 10 and 30% is identified as suspected of causing cancer.

**Teratology (Birth Defects) and Reproductive effects:**

Identified as suspected of damaging fertility or the unborn child.

**Mutagenicity (Effects on genetic material):**

Not a mutagen.

**Toxicological Data:**

Oral, rat LD <sup>50</sup>	490 mg/kg b.w
Inhalation LC <sup>50</sup>	(4hr) rat 18mg/L

**Additional information:**

Pre-existing medical conditions of central nervous system, skin and auditory system may be aggravated by exposure to this product. Exposure to very high concentrations of similar materials have been associated with irregular heart rhythms and cardiac arrest.

Section 12:	Hazard Identification
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**Environmental Fate:**

This product has been classified as being eco-toxic; harmful in the aquatic environment and to terrestrial vertebrates.

**Movement and Partitioning:**

Product is miscible in water.

**Degradation and persistence:**

Not expected to bio accumulate significantly and is readily biodegradable. Product is mobile in soil and may contaminate groundwater. Avoid contamination of drains and waterways. Oxidizes by photo-chemical reactions in air.

**Eco-toxicology:**

No EEL has been set for this substance.

**Ecotoxicity data:**

<b>Xylene</b>	<b><i>Onchrohynchus Mykiss</i></b>	EC <sup>50</sup> (96 hr)	3.3 mg/L
	<b><i>Palaemonetes pugio</i></b>	EC <sup>50</sup> (48 hr)	8.5 mg/L

	<i>Skeleonema costatum</i>	EC <sup>50</sup> (72 hr)	12.5 mg/L
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Section 13:	Disposal Considerations
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Recover and recycle product whenever possible. Dispose of waste in accordance with Regional Authority or local council bylaws.

Ensure empty containers are vented and dry. Residues may cause an explosion hazard. Do not puncture, cut or weld un-cleaned drums. Send clean, dry drums to recycler or metal scrap re-claimer. Do not use empty drums for storing other products.

Section 14:	Transport Information
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This product is classified as a Dangerous Goods Class 9 Packing Group III.

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

Class 9: Miscellaneous substances must not be loaded in the same freight container or on the same vehicle with:

<b>Class 9:</b>	Explosives
<b>Division 2.1:</b>	Flammable Gases
<b>Division 2.3:</b>	Toxic Gases
<b>Division 4.2:</b>	Spontaneously Combustible Substances
<b>Division 5.1:</b>	Oxidizing Substances
<b>Division 5.2:</b>	Organic Peroxides
<b>Class 7:</b>	Radioactive materials unless specifically exempted

Must not be loaded in the same freight container, and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:

<b>Division 4.3:</b>	Dangerous when wet substances
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Goods of Packing Group II or III may be loaded in the same freight container or on the same vehicle if transported by segregation devices with:

<b>Division 4.2:</b>	Spontaneously Combustible Substances
<b>Division 4.3:</b>	Dangerous when wet substances
<b>Division 5.1:</b>	Oxidizing Substances
<b>Division 5.2:</b>	Organic Peroxides

**Special Precautions for User:**

Not available



**Transport Information:**

<b>UN No</b>	3098
<b>Proper Shipping Name:</b>	Petroleum Distillates, N.O.S
<b>DG Class:</b>	9
<b>Sub Risk:</b>	-
<b>Packing Group:</b>	III
<b>Hazchem:</b>	3Z
<b>Marine Pollutant:</b>	No
<b>Transport Hazard Class(es):</b>	9
<b>UN Number (Air Transport, ICAO):</b>	3082
<b>IATA/ICAO Proper Shipping Name:</b>	Environmentally hazardous substance, liquid, N.O.S – (Solvent Naphtha (PETROLEUM), heavy aromatic).
<b>IATA/ICAO Hazard Class:</b>	9
<b>IATA/ICAO Packing Group:</b>	III
<b>IATA/ICAO Symbol:</b>	Miscellaneous Dangerous Goods
<b>IMDG UN No:</b>	3082
<b>IMDG Proper Shipping Name:</b>	Environmentally hazardous substance, liquid, N.O.S – (Solvent Naphtha (PETROLEUM), heavy aromatic).  (Naphthalene, 1,2,4 – Trimethylbenzene, 1,3,5 – Trimethylbenzene) Marine Pollutant.
<b>IMDG Hazard Class:</b>	9
<b>IMDG Packing Group:</b>	III
<b>IMDG Marine Pollutant:</b>	Yes
<b>IMDG EMS:</b>	F-A, S-F
<b>Transport in Bulk:</b>	Not available



Section 15:	Regulatory Information
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**Regulatory Information:**

Classified as hazardous under the HSNO Act 1996 according to criteria of Minimum Degrees of Hazard (Threshold) Regulations 2001, New Zealand.

**EPA New Zealand Approval Code:** HZSR002656; Solvents (Combustible, Toxic [6.7]) Group Standard 2006. Refer to Section 2 for hazardous classifications and to [www.epa.govt.nz](http://www.epa.govt.nz) for Controls and Conditions.

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Date of Preparation: March 2019  
Replaces: Not applicable  
Reasons for use: NZ Format SDS

**Abbreviations:**

CAS Number: Chemical Abstracts Number  
EPA: Environmental Risk Management Authority  
HSNO: Hazardous Substance & New Organisms  
STEL: Short Term Exposure Limit (15 minute exposure period)  
TWA: Time Weighted Average  
WES: Workplace Exposure Standard

**References:**

Chemical classification and information database; [www.epa.govt.nz](http://www.epa.govt.nz)

**Supplier Safety Data Sheet:**

- ✚ Workplace Exposure Standards and Biological Exposure Indices
- ✚ Transport of Dangerous Goods on Land NZS 5433
- ✚ Preparation of Safety Data Sheets – Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1-09-06)
- ✚ Assigning a hazardous substance to a group standard
- ✚ Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH)

**Contact Person/Point:**

IMPORTANT ADVICE: A MSDS summarizes our best knowledge of health and safety hazard information of the product and how to safely handle and use the product in the workplace. The information contained in this SDS is believed to be correct but is not guaranteed. Prior to using the product(s) referred to in this SDS, each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including its use in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact the supplier listed in section 1 of the SDS. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. Solvent Supplies Limited does not accept any liability either directly or indirectly for any losses suffered in connection with the use and application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.

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

**Disclaimer:**

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