

TURPENTINE OIL – SAFETY DATA SHEET

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

PRODUCT IDENTIFIER

Product name	Turpentine Oil
Other Names	Gum Turpentine, Turpentine Oil, Wood Turpentine, Spirit of Turpentine, Oil of Turpentine
Recommended Use	Thinner for oil based paints, solvent, raw material in industrial processes.

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd
Address	21b Akatea Road, Glendene, Auckland 0602 New Zealand
Telephone	+649 8135619
Website	www.pureingredients.co.nz
Email	Compliance@pureingredients.co.nz

EMERGENCY TELEPHONE NUMBER

Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766 NZ Poison Centre

SECTION 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: 3.1C, 6.1D (All), 6.1D (O), 6.1D (D), 6.1D (I), 6.3A, 6.4A, 6.5B, 9.1C (All), 9.1C (C)



PICTOGRAMS:

Signal Word: **WARNING**

HAZARD STATEMENT:

H224	Flammable liquid and vapour.	H302	Harmful if swallowed.
H312	Harmful in contact with skin.	H332	Harmful if inhaled.
H315	Causes skin irritation.	H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.	H412	Harmful to aquatic life with long lasting effects.

PREVENTION:

P102	Keep out of reach of children.	P103	Read label before use.
P104	Read safety data sheet before use.	P210	Keep away from all possible sources of ignition.
P233	Keep container tightly closed.	P242	Use only non-sparking tools.
P261	Avoid breathing fume/vapours.	P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.		
P243	Take precautionary measure against static discharge.		
P264	Wash hands and exposed skin thoroughly after handling.		
P270	Do not eat, drink or smoke when using this product.		
P273	Avoid release to the environment.		
P280	Wear appropriate personal protective equipment when handling including eye protection and gloves.		

RESPONSE:

P101	If medical advice is needed, have product container or label at hand.
P301+312	If SWALLOWED: Call a POISON CENTRE or doctor.
P330	Rinse Mouth.
P303 + P361 + P353	If on SKIN (or hair): Removed/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P302 + P352	If on SKIN: Wash with plenty of soap and water.
P332 + P313	If Skin irritation occurs: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
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 so. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P331	Do NOT induce vomiting.
P370 + P378	In case of FIRE: Use dry chemical, CO ₂ , foam for extinction.
P312	Call a POISON CENTRE 0800 POISON (0800-764-766) if you feel unwell.

STORAGE:

P403 +P325 Store in a well-ventilated place. Keep cool.

DISPOSAL:

P501 Dispose of waster in accordance with Reginal Authority of local council regulations

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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Product Name	Turpentine Oil	CAS No	8006-64-2	Proportion (%)	100
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SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Inhalation	Move the victim to fresh air immediately. Keep warm and at rest until recovered. Get medical attention if symptoms continue or breathing is difficult. Begin artificial respiration if breathing has stopped and get immediate medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Rinse mouth. Where there is risk of vomiting, lean person forward or place on left side to avoid aspiration of product into lungs. Get medical advice.
Skin Contact	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation persists or rash develops, get medical attention.
Eye Contact	Hold eyelids apart and flush the eye continuously with running water. Continue flushing for at least 15 minutes. Remove contact lenses if present and easy to do after the first 5 minutes and continue rinsing. Get medical attention if irritation persists.
First Aid Facilities	Provide eye baths and safety showers close to areas where splashing may occur.
Medical Attention	Treat according to symptoms.

SECTION 5 FIREFIGHTING MEASURES

Flashpoint	32 - 35°C	Flammable limits	LFL: not available	UFL: not available
Extinguishing media	Dry chemical, CO2, foam.			
Fire & Explosion hazards	Liquid and vapours are flammable. Do not breathe smoke, gases or vapours generated in a fire.			
Firefighting Equipment	Full protective clothing and self-contained breathing apparatus (SCBA).			
In event of fire	<ul style="list-style-type: none"> Alert Fire Bridge (111); advise location and nature of hazard. Wear breathing apparatus and protective gloves. Shut off product that may 'fuel' a fire if safe to do so. If safe, switch off electrical equipment until vapour hazard removed. Allow trained personnel to attend a fire in progress, providing fire-fighters with this Safety Data Sheet. Prevent product and extinguishing media from escaping to drains and waterways. 			
Hazards from combustion products	Carbon dioxide, carbon monoxide.			
Hazchem Code	3Y			

SECTION 6 ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment: Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity"

Minor Spills	<ul style="list-style-type: none"> Remove or eliminate all ignition sources. Clean up spills immediately. Avoid breathing vapours and contact with skin and eyes. Wear personal protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material. Avoid use of sawdust or cellulose. Collect residues and waste material in a labelled container suitable for flammables. Seal container and dispose of safely.
Major Spills	<ul style="list-style-type: none"> Clear area of personnel and move upwind. Alert Fire Bridge (111); advise location and nature of hazard. Wear breathing apparatus plus protective gloves. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Avoid use of sawdust. Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas. Eliminate sources of ignition, naked lights. No smoking. Increase ventilation. Water spray or fog may be used to disperse/absorb vapour. Use only spark-proof tools, e.g. shovels, and explosion proof equipment, e.g. pumps. Collect recoverable product into labelled contains for recycling. Absorb remaining product with sand, earth or vermiculite. Collect solid residues and seal in labelled drums for disposal. Wash area and prevent run off into drains. If contamination of drains or waterways occurs, advise Emergency Services and Local or Regional authority.

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SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling	Read product label before use. This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static discharge. Use grounding leads to avoid discharge (electrical spark), spark-free tools and equipment suitable for flammables. Use outdoors or in well-ventilated area. Wear personal protective equipment. Wash hands with soap and water after handling. Wash protective clothing separate to household laundry.
Conditions for Safe Storage	Keep out of reach of children. Store in a cool, dry place away from direct sunlight. This product will fuel a fire in progress. Check containers periodically for leaks or distortion.
Incompatible materials	Oxidising agents, calcium hypochlorite, chlorine, chromic anhydride, chromyl chloride, hexachloromelamine, stannic chloride, trichloromelamine.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Health Exposure Standards: Workplace Exposure Standards (WES), 2002 have been set by the Occupational Safety and Health Service, NZ Department of Labour for this product.

Turpentine WES-TWA
100 ppm (556 mg/m³)

Biological limit values	None established.
Engineering Controls	Ventilation: Use product outdoors or in well-ventilated area. The use of local exhaust ventilation is recommended to control emissions near the source and to maintain air concentration below exposure standard. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.
Respiratory Protection	Where concentrations in air may exceed the limits described in the Workplace Exposure Standards, it is recommended to use a respirator / half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.
Eye Protection	Protect eyes from splashes, aerosols or vapour. Always use safety glasses with side shield, or goggles.
Skin/ Body Protection	Protect skin from contact. Wear chemical resistant impervious gloves, If using product in commercial or industrial situations, wear safety footwear or safety gumboots, e.g. rubber. Always wear long sleeves and long trousers or coveralls.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid	Vapour Density @ 20°C (kPa)	Not applicable
Odour	Penetrating	Explosive Limits in Air (%)	Not available
Flash Point	32 -35°C	Viscosity (cSt)	Not available
Boiling Point	155 - 170°C	Volatiles (%vol/vol)	Not available
Specific gravity @ 20°C	0.86 g/mL	Alkalinity/acidity (as pH)	Not applicable
Vapour Pressure @ 20°C (mmHg)	Not applicable	Solubility in Water (% w/w)	Immiscible

The values listed are indicative of this product's physical and chemical properties.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability	Stable at room temperature and pressure
Conditions to avoid	Sources of heat and ignition, open flames
Hazardous decomposition products	No decomposition products except on burning. See "Fire Fighting Measures" and "Hazardous Reactions".
Hazardous reactions	None reported

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SECTION 11 TOXICOLOGICAL INFORMATION**Acute Effects**

Ingestion: Harmful. May cause gastrointestinal irritation with haemorrhage and congestion of intestines.

Eye Contact: This product is severely irritating to eyes and may result in symptoms of redness, swelling and burning sensation.

Skin Contact: Harmful Irritating to skin and may result in redness and swelling. Prolonged or repeated exposure may result in contact sensitization (dermatitis) and increase risk of dryness and cracking of skin.

Inhalation: Harmful. Vapours are irritating to eyes, nose and throat. Symptoms of dizziness, nausea and headaches may develop.

Chronic Effects: Central nervous system depression and adverse renal effects may develop from prolonged exposure.

Other Health Effects Information: None

Toxicological Information: Turpentine Inhalation, LC₅₀ (4hr) 12 mg/L

SECTION 12 ECOLOGICAL INFORMATION**Ecotoxicity:**

Aquatic toxicity: Product is identified as being harmful to aquatic life with long-lasting effects.

Persistence/degradability: No information available.

Mobility: No information available.

Other information: None

Environmental Exposure Standards: Not set

SECTION 13 DISPOSAL CONSIDERATION

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national, regional and local authorities. Packaging may still contain vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

SECTION 14 TRANSPORT INFORMATION

UN Number: 1299
Shipping name: TURPENTINE
Class: 3
Packing group: III
Hazchem code: 3Y

Dangerous Goods Segregation

This product is classified as Dangerous Goods Class 3, packing group III.

Please consult NZS 5433:2007 Transport of Dangerous Goods on Land for information

**SECTION 15 REGULATORY INFORMATION**

Country/ Region: New Zealand

Inventory: NZIoC

Status: Listed

EPA New Zealand Approval Code: HSR001233 Turpentine oil

Refer to <https://www.epa.govt.nz>

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product, but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Version: 00 Revision Date: 09/ 09/ 2016: PIL SA182 27032010 SDS New issue.

01 Revision Date: 29/ 03/ 2018: PIL SA182 28042015 SDS Added EPA reference in section 2 of the SDS, Added approval code in section 15.

References: <https://www.epa.govt.nz/database-search/approved-hazardous-substances-with-controls/view/1657>
Manufacturers SDS