

Safety Data Sheet (SDS) – Turpentine

Section 1 – Identification

Field	Details
Product Name	Turpentine
Other Names	Gum turpentine, Oil of turpentine
Recommended Use	Solvent, paint thinner, cleaning agent
Supplier	Example Supplier Pty Ltd
Emergency Contact	Poisons Information Centre 13 11 26 (Australia)

Section 2 – Hazard Identification

Hazard Classification (GHS)	Codes & Statements
Flammable liquid (Category 3)	H226: Flammable liquid and vapour
Aspiration hazard (Category 1)	H304: May be fatal if swallowed and enters airways
Skin irritation (Category 2)	H315: Causes skin irritation
Eye irritation (Category 2A)	H319: Causes serious eye irritation
STOT SE respiratory tract irritation (Category 3)	H335: May cause respiratory irritation
Aquatic toxicity chronic (Category 2)	H411: Toxic to aquatic life with long lasting effects
Signal Word	Danger
Pictograms	Flame, Exclamation Mark, Health Hazard, Environment
Precautionary Statements	P210: Keep away from heat/sparks/open flames. No smoking. P280: Wear protective gloves/protective clothing/eye protection/face protection.

Section 3 – Composition / Information on Ingredients

Ingredient	CAS Number	Proportion
Turpentine (oil)	8006-64-2	> 90%
Other components	-	< 10%

Section 4 – First Aid Measures

Exposure Route	First Aid
Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Seek medical advice if symptoms persist.
Skin Contact	Remove contaminated clothing. Wash thoroughly with soap and water. Seek medical advice if irritation persists.
Eye Contact	Rinse immediately with water for at least 15 minutes, holding eyelids open. Seek medical advice.
Ingestion	DO NOT induce vomiting. Rinse mouth. Call a doctor or Poisons Information Centre.

Section 5 – Fire Fighting Measures

Information	Details
Suitable Extinguishing Media	Foam, dry chemical powder, carbon dioxide
Hazards	Vapours may form explosive mixtures with air. Containers may explode
Protective Equipment	Firefighters to wear SCBA and full protective clothing

Section 6 – Accidental Release Measures

Risk	Control Measures
Spills	Eliminate ignition sources. Absorb with sand/earth. Collect into labelled container. F
PPE	Gloves, goggles, protective clothing, respirator for vapour.

Section 7 – Handling and Storage

Requirement	Details
Handling	Use only in well-ventilated areas. Avoid inhalation of vapours and contact with skin/
Storage	Store in a cool, dry, well-ventilated area away from direct sunlight and ignition source

Section 8 – Exposure Controls / PPE

Control	Recommendation
Exposure Standard	Safe Work Australia: TWA 100 ppm (560 mg/m ³)
Ventilation	Local exhaust ventilation required
PPE – Eyes	Safety goggles or face shield
PPE – Skin	Chemical resistant gloves, protective overalls
PPE – Respiratory	Organic vapour respirator if ventilation inadequate

Section 9 – Physical and Chemical Properties

Property	Value
Appearance	Clear, colourless to pale yellow liquid
Odour	Strong, pine-like
Flash Point	~35 °C
Boiling Point	150 – 180 °C
Vapour Pressure	~4 mmHg @ 20 °C
Density	~0.86 g/cm ³
Solubility	Insoluble in water; miscible with many organic solvents

Section 10 – Stability and Reactivity

Hazard	Details
Stability	Stable under normal storage conditions
Reactivity	Flammable vapours; reacts with strong oxidising agents
Conditions to Avoid	Heat, sparks, flames, static discharge