

# MATERIAL SAFETY DATA SHEET

## 1. IDENTIFICATION

**Product Name:** **TURPENTINE OIL (AMAZING HASTE)**

**Other Names:** Gum Turpentine, Turpentine Oil, Pure Turpentine, Wood Turpentine, Vegetable Turpentine, Spirit of turpentine, Oil of Turpentine, Vegetable Turps



**Recommended Use:** Thinner for oil based paints, solvent, raw material in industrial processes.

**Supplier:** TMK Packers Ltd

**Address:** 2/20 Trugood Drive, East Tamaki.  
PO Box 258 031, Botany, Manukau 2163

**Telephone:** (+64) 9 273 3753

**Facsimile:** (+64) 9 273 3752

**Website:** [www.tmkpackers.co.nz](http://www.tmkpackers.co.nz)

**Emergency phone:** **National Poison Centre**  
**0800 POISON [ 0800 764 766 ]**

## 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, 6.3A, 6.4A, 6.5B, 9.1C

**Signal word:** **WARNING**

### Hazard Statements :

H226 Flammable liquid and vapour

H302 Harmful if swallowed

H313 Harmful in contact with skin

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H332 Harmful if inhaled

H412 Harmful to aquatic life with long-lasting effects

### Precautions Statements :

P102 Keep out of reach of children

P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P240 Ground container and receiving equipment

P261 Avoid breathing vapours

P264 Wash hands thoroughly after handling

P103 Read label before use

P233 Keep container tightly closed

P242 Use non-sparking tools

P241 Use explosion-proof equipment

P243 Take precautionary measures against static discharge

P270 Do not eat drink or smoke when using this product



P271 Use only outdoors or in well-ventilated area

P273 Avoid release to the environment

P272 Contaminated work clothing should not be allowed out of the work-place

P280 Wear protective clothing, gloves and eye protection

### 3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Oil, turpentine	8006-64-2	100

### 4. FIRST AID MEASURES

For advice, contact National Poison Centre (telephone 0800 POISON ; 0800 764 766) or a doctor. Have product container or label available.

#### Swallowed

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. Obtain immediate medical attention.

#### 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.

#### 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. Get immediate medical attention.

#### First Aid facilities

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

#### Medical Attention

Treat according to symptoms.

### 5. FIRE FIGHTING 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:**

- 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

## 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures & Containment:**

Refer to "Fire Fighting Measures", "First Aid Measures" and "Stability and Reactivity"

**Minor spills**

- 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 labeled container suitable for flammables.
- Seal container and dispose of safely.

**Major spills**

- 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 labeled contains for recycling.
  - Absorb remaining product with sand, earth or vermiculite.
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- Collect solid residues and seal in labeled 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.

## 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.

## 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.

WES-TWA

Turpentine 100 ppm (556 mg/m<sup>3</sup>)

### 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.



### Personal Protective 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; PVC apron.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

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

## 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.

## 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, LC<sub>50</sub> (4hr) 12 mg/L

## **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:**

EEL (WATER):	Not set
EEL (SOIL)	Not set
EEL (SEDIMENTS)	Not set

## **13. DISPOSAL CONSIDERATIONS**

### **Disposal Methods:**

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.



## 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.

## 15. REGULATORY INFORMATION

**Country/ Region:** New Zealand

**Inventory:** NZCIL

**Status:** Listed

### **ERMA New Zealand Approval Code:**

HSR001233 Turpentine

Refer [www.ermanz.govt.nz](http://www.ermanz.govt.nz) for information on Controls.

## 16. OTHER INFORMATION

**Date of Issue:** 27<sup>th</sup> March, 2010  
**Reasons for Issue:** Change to format; add heading.  
**Replaces:** 22<sup>nd</sup> March, 2010

### **Abbreviations:**

CAS No Chemical Abstracts Number  
ERMA Environmental Risk Management Authority  
HSNO Hazardous Substances and New Organisms  
NZCI New Zealand Chemical Inventory  
STEL Short Term Exposure Limit  
TWA Time Weighted Average  
WES Workplace Exposure Standard

### **References:**

Supplier Material Safety Data Sheets

ERMA website: [www.ermanz.govt.nz](http://www.ermanz.govt.nz)

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 TMK Packers Ltd.

END OF SAFETY DATA SHEET

