

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **MINERAL TURPENTINE TURPS (AMAZING HASTE)**

Other Names: Mineral Turpentine, Turpentine, Mineral Turps, Turps, Turpentine Substitute, White Spirit, HAWS, High Aromatic White Spirits, Petropine.
Not: Gum Turpentine, Pure Turpentine, Wood Turpentine or Vegetable Turpentine.

Recommended Use: Thinner of oil-based paint, raw material in paint and varnish coatings, cleaner for oil & grease off metal surfaces, raw material / solvent carrier in other household & industrial products.

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

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, 6.1E, 6.3B, 9.1B

Signal word: **WARNING**

Hazard Statements :

H226 Flammable liquid and vapour

H304 May be harmful if swallowed and enters airways

H316 Causes mild skin irritation

H411 Toxic 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

P273 Avoid release to the environment

P280 Wear protective clothing, gloves and eye protection

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



3. COMPOSITION : Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%)
Kerosene	Mixture	>60
Xylene, mixed isomers	1330-20-7	10 - 15

4. FIRST AID MEASURES

For advice, contact National Poison Centre (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 wash affected area with soap and water. If irritation persists, 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.
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. Gastric lavage may be indicated if ingested. Any product aspirated during vomiting may produce lung injury.

5. FIRE FIGHTING MEASURES

Flashpoint: 31°C
Flammable limits: LFL : 0.6% UFL: 7.0%

Extinguishing media:
Dry chemical or foam .

Fire & Explosion hazards:



Liquid and vapours are flammable. Do not breathe smoke, gases or vapours generated in a fire. Expansion or decomposition of containers may lead to violent rupture of containers.

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.
- 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.
- 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.
- 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. Do not use plastic buckets.

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:

Natural rubber, butyl rubber, EDPM, polystyrene.

8. EXPOSURE CONTROLS : PERSONAL PROTECTION

Health Exposure Standards:

A Workplace Exposure Standards (WES), 2002 has been set by the Occupational Safety and Health Service , NZ Department of Labour for a component in this product.

WES-TWA

Xylene 50 ppm (217 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. Provide mechanical ventilation in confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment:

Respiratory Protection: Not expected to be required if used in well-ventilated area or outdoors.



Eye Protection: Protect eyes from splashes. Use safety glasses with side shield or goggles where risk of splashing.

Skin/ Body Protection:

Gloves recommended to avoid degreasing/drying of skin.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear colourless liquid
Odour	-	Characteristic
Flash Point	-	42
Boiling Point	°C	150 – 190
Autoignition temperature	°C	>200
Specific gravity @ 20°C	g/ml	0.81
Vapour Pressure @ 20°C	mm Hg	Not available
Vapour Density @ 20°C	kPa	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: Oxidizing agents, mineral acids, halogenated compounds.

Hazardous polymerization: Not known to occur.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

May be harmful if swallowed and if aspirated into lungs during ingestion or vomiting. Symptoms of over-exposure include headache, nausea, dizziness and tracheal burning.

Eye Contact

This product is irritating to eyes but will not permanently damage eye tissue.



Skin Contact

This product is mildly irritating to skin. Prolonged or repeated exposure will increase risk of dryness and cracking of skin.

Inhalation

May be irritating to nose and throat.

Chronic Effects

Not specific effects identified.

Other Health Effects Information:

No additional information.

Toxicological Information:

Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

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

Persistence/degradability: Not expected to be persistent.

Mobility: This product is volatile and will evaporate.

Other information: None

Environmental Exposure Standards:

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

13. DISPOSAL CONSIDERATIONS

Disposal Methods:

Care should be taken to ensure compliance with national, regional and local authority regulations. Packaging may still contain fumes and vapours that are flammable. Ensure that empty packaging is allowed to dry. If not recycled, puncture and crush before disposal to landfill. Do not use containers for storing other products.

14. TRANSPORT INFORMATION

UN Number: 1300



Shipping name: MINERAL 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: Components Listed

ERMA New Zealand Approval Code:

HSR001482; MINERAL TURPENTINE

Refer to www.ermanz.govt.nz for information on Controls.

16. OTHER INFORMATION

Date of Issue: 27th April, 2010
Reasons for Issue: Change in format; add heading.
Replaces: 22nd 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

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

