Tel (09) 273 3753
Tel 0800 27 33 27
info@tmkpackers.co.nz
www.tmkpackers.co.nz

22 Trugood Drive
East Tamaki, Auckland 2013
PO Box 258 031
Botany, Auckland 2163

# SAFETY DATA SHEET

## 1. IDENTIFICATION



**Product Name:** **AMAZING HASTE MINERAL TURPENTINE**

**Other Names:** Mineral Turpentine, Turpentine, Mineral Turps, Turps, Turpentine Substitute, White Spirit, HAWS, High Aromatic White Spirits, Petropine.

**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:** 22 Trugood Drive, East Tamaki, Auckland 2013
PO Box 258031, Botany, Auckland 2163
**Telephone:** (+64) 9 273 3753
**Website:** www.tmkpackers.co.nz

**Emergency phone:** 0800 273327 (TMK Packers Ltd 24 Hr)
**National Poison Centre:** 0800 POISON [0800 764 766]

## 2. HAZARDS IDENTIFICATION

**Hazardous Nature:**
This product is classified as hazardous under GHS (7th revised edition) in accordance with the New Zealand Hazardous Substances (Hazard Classification) Notice 2020.

**GHS Classifications:** Flammable Liquids Category 3, Hazardous to the Aquatic Environment Long-Term Hazard Category 2, Specific Target Organ Toxicity - Repeated Exposure Category 2, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3, Reproductive Toxicity Category 2, Aspiration Hazard Category 1, Carcinogenicity Category 2

**GHS Pictograms:**



**Signal word:** **DANGER**

**Hazard Statements:**
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H335 May cause respiratory irritation.
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.
H411 Toxic to aquatic life with long-lasting effects.

**Prevention Statements:**
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 and hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground container and receiving equipment.
P241 Use explosion-proof equipment.
P242 Use non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe vapours.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective clothing, gloves and eye protection.

**Response Statements:**
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P314 Get medical advice/attention if you feel unwell.
P331 Do NOT induce vomiting.
P391 Collect spillage.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P370 + P378 In case of fire: use dry chemical or foam extinguishing media.

**Storage Statements:**
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

**Disposal Statements:**
P501 Dispose of waste in accordance with Regional Authority or local council regulations.

## 3. COMPOSITION: Information on Ingredients

| Chemical Ingredient | CAS No. | Proportion (% ) |
|---|---|---|
| Aliphatic hydrocarbon, low aromatic | 64742-82-1 | 60-65 |
| Aromatic hydrocarbon | 64742-95-6 | 35-40 |
| which may contain: | | |
| 1,2,4-Trimethyl benzene, <20% | 95-63-6 | |
| Mestiylene, <7% | 108-67-8 | |
| Propylbenzene and Isopropylbenzene, <3% | 98-82-8 | |
| Xylene, mixed isomers, <1% | 1330-20-7 | |

## 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 is 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.

**Advice to Doctor**
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:** 41$^0$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 quantifies 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 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:**
Workplace Exposure Standards (WES) have been set by Worksafe New Zealand for a component in this product.

| | | |
|---|---|---|
| Xylene | WES-TWA | 50 ppm (217 mg/m3) |
| Isopropylbenzene | WES-TWA | 25 ppm (125 mg/m3) WES-STEL 75 ppm (375 mg/m3) |

**Biological limit values:**
For xylene as methylhippuric acid in urine, 1.5 g/L (end of shift).

**Engineering Controls:**
***Ventilation:***
Use product outdoors or in well-ventilated area. If using product in commercial or industrial situations where concentrations in air may exceed the limits described in the Workplace Exposure Standards 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. When using product in commercial or industrial situations where concentrations in air may exceed the limits described in the Workplace Exposure Standards, it is recommended to use a 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. 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 | $^0$C | 41 |
| Boiling Point | $^0$C | 154 – 192 |
| Autoignition temperature | $^0$C | >200 |
| Specific gravity @ 20$^0$C | g/ml | 0.81-0.82 |
| Vapour Pressure @ 20$^0$C | mm Hg | Not available |
| Vapour Density @ 20$^0$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. Symptoms of over-exposure include headache, nausea, and dizziness. May cause long term adverse health effects. Exposure to high concentrations over an extended period will result in central nervous system (CNS) depression with symptoms of headache, nausea and a lack of coordination.

**Chronic Effects**

Xylene a component in this product is identified as suspected of damaging fertility and the unborn child and may cause damage to the nervous system through prolonged or repeated exposure.

**Other Health Effects Information:**

No additional information.

**Toxicological Information:**

Xylene Inhalation, mouse LC50 (4 hr) 27.6 mg/L

## 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:**

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: | TURPENTINE SUBSTITUTE |
| 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 5433:2020 Transport of Dangerous Goods on Land for information.




## 15. REGULATORY INFORMATION

**Country/ Region:** New Zealand
**Inventory:** NZIoC
**Status:** Components Listed

**ERMA New Zealand Approval Code:** HSR001482; MINERAL TURPENTINE
Refer to www.epa.govt.nz for information on Controls.

## 16. OTHER INFORMATION

| | |
|---|---|
| **Issue Number:** | 9 |
| **Date of Issue:** | 15th February, 2025 |
| **Reasons for Issue:** | Updated format |
| **Replaces:** | 20th November, 2024 |

### Abbreviations:

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| AS/NZS | Standards Australia & Standards New Zealand |
| BCF | Bioconcentration Factor |
| BEI | Biological Exposure Index |
| CAS | Chemical Abstracts Service |
| CCID | Chemical Classification and Information Database |
| EC50 | Effective Concentration, 50 per cent |
| EPA | Environmental Protection Authority |
| GHS | Globally HarmoniSed System of Classification and Labelling of Chemicals |
| GHS 7 | Globally Harmonised System of Classification and Labelling of Chemicals, 7th revised edition, 2017, published by the United Nations |
| HSNO | Hazardous Substances and New Organisms Act 1996 |
| HSWA | Health and Safety at Work Act 2015 |
| IARC | International Agency for Research on Cancer |
| IC50 | Half Maximal Inhibitory Concentration |
| LC50 | Lethal Concentration, 50 per cent |
| LD50 | Lethal Dose, 50 per cent |





| | |
|---|---|
| LEL | Lower Explosive Limit |
| LOAEL | Lowest-observed-adverse-effect level N/R: Not Regulated |
| NOAEL | No-observed-adverse-effect-level |
| NOEC | No Observed Effect Concentration |
| NZIoC | New Zealand Inventory of Chemicals |
| NZS 5433 | New Zealand Standard Transport of Dangerous Goods on Land |
| OECD | Organisation for Economic Co-operation and Development |
| STEL | Short-Term-Exposure Limit |
| TLV | Threshold Limit Value |
| TWA | Time-Weighted Average |
| UEL | Upper Explosive Limit |
| WES | Workplace Exposure Limit |

**References:**
Supplier Safety Data Sheets
ERMA website: www.epa.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



