

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: **AMAZING HASTE PEG SOLVENT 100**

Recommended Use: Solvent for coatings (stoving enamels, paints, lacquers and varnishes) mainly in automotive and metal industry.

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 Poisons 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, 6.4A, 6.8B, 6.9B, 9.1B



Signal word: **WARNING**

Hazard Statements :

H226 Flammable liquid and vapour.
H303 May be harmful if swallowed.
H305 May be harmful if swallowed and enters airways.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation
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 instructions have been read and understood.

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- P210 Keep away from heat, open flames, hot surfaces. No smoking.
 P233 Keep container tightly closed.
 P240 Ground/bong container and receiving equipment.
 P241 Use explosion proof electrical/ventilating/lighting equipment.
 P242 Use only non-sparking tools.
 P243 Take precautionary measures against static discharge.
 P260 Do not breathe vapours.
 P264 Wash hands thoroughly after handling.
 P273 Avoid release to environment.
 P280 Wear protective gloves and eye protection.
 P281 Use personal protection equipment as required.

Response Statements:

P308 + P313 IF exposed or concerned: Get medical advice

P312 Call a POISON CENTRE or doctor for advice.

P314 Get medical advice if you feel unwell.

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

P331 Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing.
 Rinse skin with water.

P332 + P313 If skin irritation occurs: Get medical advice.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice.

P370 + P378 In case of fire: Stop leak if safe to do so.

P391 Collect spillage.

Storage Statements:

P403 + P235 Store in a well-ventilated place.

P405 Store locked up.

Disposal Statements:

P501 Dispose of product and containers in accordance with local regulations.

3. COMPOSITION : Information on Ingredients

| Chemical Ingredient | CAS No. | Proportion (%) |
|---|------------|----------------|
| Solvent naphtha (petroleum), light aromatic | 64742-95-6 | 85 – 95 |
| Solvent naphtha (petroleum), medium aliphatic | 64742-88-7 | 5 – 15 |
| Mixture may contain | | |
| 1,2,4 Trimethylbenzene | 95-63-6 | 30 - 35 |
| Mesitylene | 108-67-8 | 8 – 11 |
| Propylbenzene and Isopropylbenzene (cumene) | 98-82-8 | 6 - 8 |
| Xylene, mixed isomers | 1330-20-7 | < 2 |



4. FIRST AID MEASURES

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

Swallowed

If swallowed, do NOT induce vomiting. Rinse mouth. Get immediate medical attention. If spontaneous vomiting occurs, hold person's head below hips to avoid possible aspiration of vomitus into lungs.

Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running 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 recovery is not rapid.

First Aid Facilities: Provide eye bath and hand washing facilities.

Advice to Doctor: Treat according to symptoms. Risk of aspiration into lungs with potential to cause chemical pneumonitis.

5. FIRE FIGHTING MEASURES

Flashpoint: 41°C

Flammable limits: LFL : 0.8% UFL: 7.0%

Extinguishing media:

Foam, CO2 or dry chemical. Use water spray or water fog on large fires only.

Fire & Explosion hazards:

Flammable liquid and vapour. The vapour forms explosive mixtures with air. Do not breathe smoke, gases or vapours generated in a fire. Decomposition products may be toxic.

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.
- Keep bystanders away.
- Wear breathing apparatus and protective gloves.
- Shut off product that may 'fuel' a fire if safe to do so.
- Eliminate sources of ignition
- If safe, switch off electrical equipment until vapour hazard removed.
- Use fine water spray to control fire and cool adjacent area.
- 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:

Product will emit toxic fumes of carbon monoxide and carbon dioxide.

Hazchem Code: 3Y

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures & Containment:

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

Minor spills

- Clean up spills immediately.
- Remove all ignition sources.
- 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 labelled container.
- 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.
- Eliminate ignition sources, naked lights. No smoking.
- Stop leak if safe to do so.
- Water spray or water fog may be used to disperse or absorb vapour.
- Contain spill with sand, earth or vermiculite.
- Use spark-free shovels and explosion proof equipment.
- Prevent by any means available, spillage from entering drains, sewers, watercourses, or low-lying areas.
- Increase ventilation.
- Collect recoverable product into labeled 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.

7. HANDLING AND STORAGE

Precautions for safe handling:

Read product label before use. Use in well-ventilated area. Flammable product and vapours. Avoid smoking, naked lights or ignition sources. Avoid generation of static electricity. Use only spark-free tools. Avoid all personal contact including by inhalation. Wear personal protective equipment and clothing including gloves and wash hands with soap and water after handling.

Conditions for safe storage:

Store locked up in original packaging in a cool, dry well-ventilated place out of reach of children. Check containers periodically for leaks or distortion.

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Incompatible materials:

Natural rubber, butyl rubber, nitrile rubber, EPDM, polystyrene.

8. EXPOSURE CONTROLS : PERSONAL PROTECTION

Health Exposure Standards:

A Workplace Exposure Standard (WES) has been set for components in this product.

| | WES-TWA | WES-STEL |
|------------------------|---------------------------------|---------------------------------|
| Cumene _{SKIN} | 25 ppm (125 mg/m ³) | 75 ppm (375 mg/m ³) |
| Xylene | 50 ppm (217 mg/m ³) | |

Biological limit values:

Xylene End of shift, as methylhippuric acid in urine , BEI 1.5 g/litre

Engineering Controls:

Ventilation: Avoid breathing vapours. Use product outdoors or in well-ventilated area. Wear a SAA approved respirator when using in confined area or where over-exposure risk exists.

Personal Protective Equipment:

Respiratory Protection: Where air concentration may exceed Workplace Exposure Standard, wear SAA approved respiratory protection. A half-filter mask and type 'A' filter material should be suitable.

Eye Protection: Protect eyes from splashes. Always use safety glasses with side shields, or wear goggles.

Skin/ Body Protection:

Wear gloves, e.g. PVC, safety footwear or safety gumboots, e.g. rubber, and clothing with long sleeves and long trousers or coveralls.

9. PHYSICAL AND CHEMICAL PROPERTIES

| Property | Unit of measurement | Typical value |
|----------------------------|---------------------|-------------------------|
| Appearance | - | Clear colourless liquid |
| Odour | - | Solvent |
| Flash Point | °C | 41 |
| Specific gravity @ 20°C | g/ml | 0.87 – 0.88 |
| Vapour Pressure @ 20°C | kPa | 0.278 |
| Vapour Density @ 20°C | kPa | > 1 |
| Explosive Limits in Air | % | 0.8 – 7.0 |
| Viscosity | cSt | Not available |
| Volatiles | %vol/vol | 100 |
| 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, ignition, open flames and contact with oxidizing agents.

Hazardous decomposition products: No decomposition products except on burning.

See "Fire Fighting Measures" and "Hazardous Reactions".

Hazardous reactions: With oxidizing agents, mineral acids, halogenated organic compounds.



11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion

May be harmful if ingested. In addition, swallowing small amounts or from vomiting may cause aspiration into lungs resulting in chemical pneumonitis or pulmonary edema. If ingested, symptoms may include headaches, nausea, dizziness and tracheal burning.

Eye Contact

This product will be irritating to the eyes resulting in tearing and redness but is not expected to permanently damage eye tissue.

Skin Contact

This product can be irritating to the skin. Prolonged or repeated exposure may defat skin leading to drying and cracking.

Inhalation

Vapours may be harmful and cause discomfort to the upper respiratory tract. Symptoms of over-exposure may be coughing, difficulty in breathing, drowsiness and dizziness, and with repeated exposure symptoms may also include muscle weakness, tingling in hands and feet, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

Chronic Effects: Repeated or prolonged exposure to mixed hydrocarbons may result in dizziness, weakness, irritability, lack of concentration and memory loss, tremor of extremities, e.g. fingers, weight loss, anemia, ill-effects to liver and kidneys.

Other Health Effects Information: This product may contain a low concentration of xylene (<2%) a compound identified as suspected of damaging fertility or the unborn child. Additionally xylene, 1,2,4-trimethyl benzene, propylbenzene, and isopropylbenzene (cumene) are compounds that may cause adverse damage to organs through prolonged or repeated exposure. Target organs affected are the central nervous, pulmonary, blood and hematopoietic systems.

Toxicological Information:

Cumene

Oral, LD₅₀, rat 1400 mg/kg

Dermal, LD₅₀, rabbit > 3160 mg/kg

Inhalation, LC₅₀ (4hr), rat 40 mg/L

1,2,4-Trimethyl benzene

Oral, LD₅₀, rat 3280 mg/kg

Inhalation, LC₅₀ (4hr), rat 18 mg/L

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity:

This product has been classified as being toxic to aquatic life with long-lasting effects.

Do not discharge product to sewer, drains or waterways.

Persistence/degradability:

Not expected to be persistent or bioaccumulative.

Degrades rapidly in air.

Mobility:

Product is not miscible with water.

Other information:

Not available.

Environmental Exposure Standards: Not set.

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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 authority regulations. Packaging may still contain harmful and flammable product vapours. Allow to dry before disposal.

14. TRANSPORT INFORMATION

UN Number: 1268
Shipping name: PETROLEUM DISTILLATES, N.O.S.
Class: 3
Packing group: III
Hazchem code: 3Y

Dangerous Goods Segregation

This product is classified as Dangerous Good Class 3.

Please consult NZS 5433:2012 Transport of Dangerous Goods on Land for information.



15. REGULATORY INFORMATION

Country/ Region: New Zealand
Inventory: NZ Inventory of Chemicals
Status: Listed

EPA New Zealand Approval Code: HSR002650 Solvent (Flammable) Group Standard 2006.
Refer www.epa.govt.nz for information on Controls.

16. OTHER INFORMATION

Issue: 3
Date of Issue: 20th May, 2015
Reasons for Issue: 5-year review of Safety Data Sheet.
Replaces: 27th April 2010

Abbreviations:

BEI Biological Exposure Indice
CAS No Chemical Abstracts Number
EPA Environmental Risk Management Authority
HSNO Hazardous Substances and New Organisms

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|-------|------------------------------------|
| NZIoC | New Zealand Inventory of Chemicals |
| STEL | Short Term Exposure Limit |
| TWA | Time Weighted Average |
| WES | Workplace Exposure Standard |

References:

Supplier Safety Data Sheets

EPA 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

