



**MATERIAL SAFETY DATA SHEET**

**MINERAL TURPENTINE SOLVENT (SMT)**

Revision Number : 00

Revision Date: 00

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Section 1 - Chemical Product and Company Identification

**Product identifier**

**Product Name** : MINERAL TURPENTINE SOLVENT (SMT)  
**Synonyms** : Mineral Turpentine, Turpentine, Mineral Turps, Turps, Turpentine Substitute, White Spirit, HAWS, High Aromatic White Spirits, Petropine  
**CAS No.** : \_  
**Chemical Formula** : \_  
**Product Use** : Industrial Solvent, Paint Solvent, Paint Thinner  
**Contact** : **PT.Pancasakti Putra Kencana**  
**Address** : Ruko Boulevard Taman Tekno Blok E No.10-11, BSD Sektor XI Serpong, Tangerang - Indonesia  
**Website** : [www.pancasakti.co.id](http://www.pancasakti.co.id)  
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**Emergency Telephone** : +62-21-7588 0205(Hunting)

Section 2 - Composition, Information on Ingredients

**Hazardous Components**

| Chemical Entity   | CAS No #     | Proportion % |
|---|--------------|--------------|
| Low Aromatic White Spirit   | 64742-82-1   | > 60         |
| Solvent Naptha (petroleum) light arom.<br>Contains < 0.1% w/w benzene | 64742-96-6 2 | 20 – 40      |

Section 3 - Hazards Identification

**Statement of Hazardous/  
 Dangerous Nature:**

HAZARDOUS SUBSTANCE.  
 DANGEROUS GOODS  
 Classified as Hazardous according to the criteria of NOHSC Australia.  
 Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code)

**Symbol(s):** Xn Harmful  
 N Dangerous

**R-phrases(s):** R10 Flammable.  
 R38 Irritating to skin.  
 R65 Harmful: may cause lung damage if swallowed.  
 R66 Repeated exposure may cause skin dryness or cracking.



|                     |   |
|---------------------|---|
| R67                 | Vapours may cause drowsiness and dizziness.   |
| R51/53              | Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.             |
| <b>S-phrase(s):</b> |   |
| S2                  | Keep out of reach of children.  |
| S23                 | Do not breathe vapour.  |
| S24/25              | Avoid contact with skin and eyes.   |
| S45                 | In case of accident or if you feel unwell, seek medical advice immediately (show label where possible). |
| S53                 | Avoid exposure – obtain special instructions before use.  |
| S62                 | If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. |

#### Section 4 - First Aid Measures

Poison Information Centres (131126) in each State Capital City can provide additional assistance for scheduled poisons.

|                              |   |
|------------------------------|---|
| <b>Swallowed:</b>            | If swallowed, DO NOT induce vomiting. Transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.   |
| <b>Skin:</b>                 | If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available. Seek medical advice if symptoms develop or persist.                                  |
| <b>Eye:</b>                  | If in eyes, hold eyes open and flush eye with copious quantities of water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment. |
| <b>Inhaled:</b>              | Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.   |
| <b>First Aid Facilities:</b> | Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.  |
| <b>Advice to Physician:</b>  | Treat symptomatically.  |

#### Section 5 – Fire fighting Measures

Clear fire area of all non-emergency personnel.

|   |   |
|---|---|
| <b>Specific Hazards:</b>                      | Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along the ground and distant ignition is possible. |
| <b>Extinguishing Media:</b>                   | Foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.  |
| <b>Protective Equipment for Firefighters:</b> | Wear full protective clothing and self-contained breathing apparatus.   |
| <b>Additional Information:</b>                | Hazchem code 3[Y].  |



### Section 6 - Accidental Release Measures

Observe all relevant local and national regulations.

**Spills and Disposal:** Avoid contact with spilled or released material. Shut off leaks, if possible without personal risk. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterways using sand, earth or other appropriate barriers. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

**Clean Up Methods:** For small liquid spills (< 1 drum), transfer by mechanical means to a labeled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. Do not flush away residues with water. Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely

### Section 7 - Handling and Storage

**Precautions for Safe Handling and Storage:** Avoid breathing vapors or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin and eyes and clothing. Handle open containers in well ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure Limit is not exceeded. Do not empty into drains. Do not eat, drink or smoke in contaminated areas. Before eating, drinking or smoking, remove contaminated clothing and wash hands. Do not store near strong oxidants.

**Dispensing:** Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

**Flammability:** Flammable.

### Section 8 - Exposure Controls, Personal Protection

**Exposure Standards:** Safe Work Australia has set an exposure standard of 480mg/m<sup>3</sup> (90ppm) TWA (8hr).

**Biological Limit Values:** No biological limit allocated.

**Personal Protective Equipment:** Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

**Respiratory Protection:** If work practices do not maintain airborne levels below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask and filter. Select a filter for organic gases and vapours (boiling point >65° Deg C). Respirators should comply with AS1716 or an equivalent approved by a State/Territory authority.



|                              |   |
|------------------------------|---|
| <b>Hand Protection:</b>      | Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).  |
| <b>Eye Protection:</b>       | Wear safety goggles.  |
| <b>Protective Clothing:</b>  | Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.  |
| <b>Engineering Controls:</b> | Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists. Keep containers closed when not in use |

### Section 9 - Physical and Chemical Properties

|  |                         |
|--|-------------------------|
| <b>Appearance:</b>                     | Colourless liquid       |
| <b>Odour:</b>                          | Aromatic                |
| <b>pH:</b>                             | N/A                     |
| <b>Vapour Pressure (mmHg @ 20°C):</b>  | Typical 0.5kPa          |
| <b>Vapour Density (air=1):</b>         | 4.35 @ 15° C            |
| <b>Boiling Point (°C):</b>             | Typical 148 – 200       |
| <b>Melting/Freezing Point (°C):</b>    | Data not available      |
| <b>Solubility in Water:</b>            | Not miscible with water |
| <b>Specific Gravity (g/ml @ 15°C):</b> | 0.78 – 0.82 Typical     |
| <b>Flashpoint (°C):</b>                | 31 (Abel)               |
| <b>Flammability Limits (%):</b>        | 0.01 – 7                |
| <b>Auto Ignition Temp (°C):</b>        | Typical 300             |
| <b>Percent Volatiles:</b>              | 100                     |

### Section 10 - Stability and Reactivity

|  |  |
|--|--|
| <b>Stability:</b>                        | Stable under normal conditions of use.   |
| <b>Conditions to Avoid:</b>              | Avoid heat, sparks, open flames and other ignition sources.  |
| <b>Incompatible Materials:</b>           | Strong oxidising agents.   |
| <b>Hazardous Decomposition Products:</b> | Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation. |

### Section 11 - Toxicological Information

|                   |   |
|-------------------|---|
| <b>Acute:</b>     |   |
| <b>Swallowed:</b> | Expected to be of low toxicity: LD50>2000mg/kg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |
| <b>Eye:</b>       | Mild irritant.  |
| <b>Skin:</b>      | Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.  |
| <b>Inhaled:</b>   | Expected to be of low toxicity. LC50 greater than near-saturated vapour concentration 4 hours, Rat.   |



**Chronic:** Auditory system: Prolonged and repeated exposures to high concentrations have resulted in hearing loss in rats. Solvent abuse and noise interaction in the work environment may cause hearing loss. Central nervous system: Repeated exposure affects the nervous system.

#### Section 12 - Ecological Information

**Ecotoxicity:**

**Fish:** Expected to be toxic:  $1 < LC/EC/IC50 \leq 10$  mg/l  
**Aquatic Invertebrates:** Expected to be toxic:  $1 < LC/EC/IC50 \leq 10$  mg/l  
**Algae:** Expected to be toxic:  $1 < LC/EC/IC50 \leq 10$  mg/l  
**Microorganisms:** Expected to be toxic:  $1 < LC/EC/IC50 \leq 10$  mg/l  
**Mobility:** Floats on water.  
**Persistence/ Degradability:** Readily biodegradable. Oxidises by photo-chemical reactions in air.  
**Bioaccumulation:** Has the potential to bioaccumulate.

#### Section 13 - Disposal Considerations

**Disposal Methods:** Dispose of waste according to Federal, EPA, State and Local Regulations. Assure conformity with all applicable regulations.

#### Section 14 - Transport Information

**UN number** 1300  
**Proper Shipping Name:** Turpentine Substitute  
**Class 3**  
**Subsidiary Risk** None allocated  
**Packing group** III  
**Hazchem Code** 3Y  
**Special Precautions For User** None

#### Section 15 - Regulatory Information

**Poisons Schedule:** 5  
**AICS:** Listed

#### Section 16 - Additional Information

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall PT.Pancasakti Putera Kencana be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if PT.Pancasakti Putera Kencana has been advised of the possibility of such damages.*