

MINERAL TURPENTINE

MATERIAL SAFETY DATA SHEET

| | | |
|---------------------|--------------------|---|
| MSDS No: | | QUICK SMART PRODUCTS |
| Product Name: | MINERAL TURPENTINE | 53 ASSEMBLY DRIVE |
| Manufacturers Code: | MT5, MT25, MT200 | TULLAMARINE VIC 3043 |
| Date: | May 2018 | ABN: 40 959 725 049 |
| | | Ph: (03) 9338 6655 (BH) Fax: (03) 9335 2598 |
| | | Email: gsmart@bigpond.net.au |
| | | Web: www.quicksmartproducts.com.au |

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

| | | | |
|-------------------------|---|--|---------------------|
| Product Name: | MINERAL TURPENTINE | | |
| Company Name: | QUICK SMART PRODUCTS | | |
| Address: | 53 Assembly Drive Tullamarine Vic 3043 | | |
| Telephone/Fax: | (03) 9338 6655 (BH) | Poisons Information Centre 131126 (AH) | Fax: (03) 9335 2598 |
| Recommended Use: | Paint Solvent, Paint Thinner, Solvent | | |

2. HAZARDS IDENTIFICATION

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|--------------------------------------|---|
| Statement of Hazardous Nature | Hazardous chemical according to classification by Safe Work Australia. |
| Dangerous Goods | Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. |

GHS Classification

Hazard Categories

Flammable Liquids: Category 3
Skin Corrosion/Irritation: Category 2
Serious Eye Damage/Irritation - Category 2A
Specific Target Organ Toxicity - Repeated Exposure: Category 1
Specific Target Organ Toxicity - Single Exposure: Category 3
Aspiration Hazard: Category 1
Chronic Aquatic Toxicity: Category 2

GHS Label Elements

Signal Word

DANGER

Symbol(s)



Hazard Statements

| | |
|-------|---|
| H226: | Flammable liquid and vapour |
| H304: | May be fatal if swallowed and enters airways |
| H315: | Causes skin irritation |
| H319: | Causes serious eye irritation |
| H412: | Harmful to aquatic life with long lasting effects |

Precautionary Statements

General

| | |
|-------|--|
| P101: | If medical advice is needed, have product container or label at hand |
| P102: | Keep out of reach of children |
| P103: | Read label before use |

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| | |
|-------------------|--|
| Prevention | P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking P233: Keep container tightly closed P240: Ground/bond container and receiving equipment P241: Use explosion-proof electrical/ventilation/lighting equipment P242: Use only non-sparking tools P243: Take precautionary measures against static discharge P261: Avoid breathing fume, gas, mist, vapours or spray. P264: Wash thoroughly after handling P273: Avoid release to the environment P271: Use only outdoors or in a well-ventilated area P273: Avoid release to the environment P280+P281: Wear protective gloves, eye protection/face protection and other personal protection as required |
| Response | P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor/physician P302+P352: If ON SKIN: Wash with plenty of soap and water P303+P361+P353: If ON SKIN (or hair): Take off contaminated clothing and wash before reuse. Rinse skin with water/shower P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305+351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing 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 P332+P313: If skin irritation occurs: Get medical advice/attention P337+P313: If eye irritation persists: Get medical advice/attention P362: Take off contaminated clothing and wash before reuse P370+P378: In case of fire: Use foam/water spray/fog for extinction P391: Collect spillage |
| Storage | P403+P235: Store in a well-ventilated place. Keep cool P233: Keep container tightly closed P405: Store locked up |

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components

| Chemical Entity | CAS No | Proportion (%) |
|--|------------|----------------|
| Low Aromatic White Spirit | 64742-82-1 | > 60 |
| Solvent Naptha (petroleum) light arom. | 64742-95-6 | 20 – 40 |
| Contains < 0.1% w/w benzene | | |

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4. FIRST AID MEASURES

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

Description of Necessary First Aid Measures

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|------------------------------------|---|
| Inhaled | Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. |
| Ingestion | Immediately rinse mouth with water. 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. |
| Skin Contact | If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair thoroughly with running water, follow by washing with soap if available. If irritation occurs seek medical attention. |
| Eye Contact | If in eyes, immediately flush eyes with fresh water. Continue rinsing for several minutes. Ensure complete irrigation of the eye by holding the eyelids apart and away from the eye. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment. |
| First Aid Facilities | Potable water should be available to rinse eyes or skin. Provide safety showers and eye wash facilities. |
| Symptoms Caused by Exposure | |
| Inhalation | Breathing of high vapour concentrations may cause central nervous system depression. |
| Skin | May include itching and redness. |
| Eye | May include burning and temporary redness. |
| Ingestion | May cause mild gastrointestinal irritation. |
| Advice to Physician | Treat symptomatically. |

5. FIRE FIGHTING MEASURES

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|--|---|
| Suitable Extinguishing Media | Foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet. |
| Specific Hazards Arising from the Chemical | Flammable liquid and vapour. May form flammable mixtures with air. 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. |
| Special Protective Equipment and Precautions for Firefighters | Firefighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition. DO NOT approach containers suspected of being hot. May be violently or explosively reactive. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. |
| Hazchem Code | 3[Y] |

6. ACCIDENTAL RELEASE MEASURES

| | |
|--|---|
| Personal Precautions, Protective Equipment and Emergency Procedures | Avoid contact with spilled or released material. Shut off leaks, if possible, without personal risk. Avoid breathing vapour and avoid contact with skin and eyes. Wear appropriate protective equipment. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measure against static discharge. Ensure electrical continuity by bonding and earthing all equipment. |
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Environmental Precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Methods and Materials for Containment and Cleaning Up

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 (sand, soil or other inert 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.

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.

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Do not store near strong oxidants. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

Dispensing

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

Flammability

Flammable.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standards

Safe Work Australia has set an exposure standard of 480mg/m³ (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.

Hand Protection

Use solvent resistant gloves (nitrile for longer term protection or PVC and neoprene for incidental splashes).

Eye Protection

Wear safety goggles.

Protective Clothing

Use chemical resistant glove/gauntlets, boots and apron. Skin protection not ordinarily required beyond standard issue work clothes.

Engineering Controls

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------------|-------------------------|
| Appearance | Colourless liquid |
| Odour | Aromatic |
| pH | N/A |
| Vapour Pressure (mmHg @ 20°C) | Typical 0.5kPa |
| Vapour Density (air=1) | 4.35 @ 15° C |
| Boiling Point (°C) | Typical 148 – 200 |
| Melting/Freezing Point (°C) | Data not available |
| Solubility in Water | Not miscible with water |
| Specific Gravity (g/ml @ 15°C) | 0.78 – 0.82 Typical |
| Flashpoint (°C) | 31 (Abel) |
| Flammability Limits (%) | 0.7 - 6.5 |
| Auto Ignition Temp (°C) | Typical 300 |
| Percent Volatiles | 100 |

10. STABILITY AND REACTIVITY

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| Stability | Product is stable under recommended conditions of use, storage and temperature. Flammable liquid. |
| Conditions to Avoid | Avoid heat, sparks, open flames and other ignition sources. |
| Incompatible Materials | Strong oxidising agents. |
| Hazardous Decomposition Products | 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. |

11. TOXICOLOGICAL INFORMATION

| | |
|--|---|
| Acute Toxicity | Expected to be of low toxicity: LD50>2000mg/kg, Rat. May cause mild gastrointestinal reaction. |
| Serious Eye Damage/Irritation | Mild irritant. May cause burning and temporary redness. |
| Skin Corrosion/Irritation | Mild irritant. May cause itching and redness. Prolonged contact may cause defatting of skin which can lead to dermatitis. |
| Inhalation | Expected to be of low toxicity. LC50 greater than near-saturated vapour concentration 4 hours, Rat. |
| Specific Target Organ Toxicity (STOT) - Single Exposure | Data not available. |

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| | |
|--|---|
| Specific Target Organ Toxicity (STOT) - Repeated Exposure | 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. |
| Aspiration Hazard | Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal. |

12. ECOLOGICAL INFORMATION

Ecotoxicity

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION



_Classified as Dangerous Goods for transport (ADG Code).

| | |
|------------------------------|-----------------------|
| 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 |

15. REGULATORY INFORMATION

| | |
|-------------------------|--------------------|
| SUSMP Schedule | Poisons Schedule 5 |
| AICS (Australia) | Listed |

16. OTHER INFORMATION

| | |
|-----------------------------|---------------------------------------|
| Contact Person/Point | Technical Information: (03) 9338 6655 |
|-----------------------------|---------------------------------------|

| | |
|--|---------------------------|
| Date of Preparation or last revision of SDS | SDS reviewed: 24 May 2018 |
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Abbreviations

| | |
|-------------------------|--|
| ADG Code | Australian Code for the Transport of Dangerous Goods by Road & Rail |
| AICS | Australian Inventory of Chemical Substances |
| CAS Number | Chemical Abstracts Service Registry Number |
| GHS | Globally Harmonised System of Classification and Labelling |
| g/cm³ | Grams per Cubic Centimetre |
| g/L | Grams per Litre |
| HAZCHEM Code | Emergency action code of numbers and letters which gives information to emergency services |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC | Lethal Concentration |
| LD | Lethal Dose |
| mg/m³ | Milligrams per Cubic Metre |
| NOHSC | National Occupational Health and Safety Commission |
| ppm | Parts Per Million |
| SDS | Safety Data Sheet |
| STEL | Short Term Exposure Limit. The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday. |
| SUSMP | Standard for the Uniform Scheduling of Medicines and Poisons |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average. The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. |

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user must review this SDS in the context of how the product will be handled in the workplace and in conjunction with other materials. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Company accepts no responsibility for any injury, loss or damage, resulting from abnormal use of the material, or from any failure to adhere to recommendations. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

END OF MSDS