

MINERAL TURPENTINE

MATERIAL SAFETY DATA SHEET

MSDS No:		QUICK SMART PRODUCTS
Product Name:	Mineral Turpentine	53 ASSEMBLY DRIVE
Manufacturers Code:	MT5 MT25	TULLAMARINE VIC 3043
Date:	1 November 2008	(03) 9338 6655 (BH) (03) 9336 7945 (AH)

STATEMENT OF HAZARDOUS NATURE: *HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA*

IDENTIFICATION

U/N No	1300	Dangerous Goods Class	3
Hazchem Code	3(Y)	Poisons Schedule	5

Other Names: Turps
Recommended Use: Paint Solvent, paint thinner, solvent

HAZARDS IDENTIFICATION

**CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA
DANGEROUS ACCORDING TO THE CRITERIA OF THE ADG CODE**

Symbols: Xn Harmful
 N Dangerous for the environment

Risk Phrases: R10 Flammable
 R65 - Harmful: May cause lung damage if swallowed
 R66 – Repeated exposure may cause skin dryness or cracking
 R67 – Vapours may cause drowsiness and dizziness
 R 51/53 Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment.

Safety Phrases: R38 - Irritating to skin.
 S23 Do not breathe vapour
 S24/25 Avoid contact with skin and eyes
 S61 Avoid release to the environment.
 S62 If swallowed, do not induce vomiting: seek medical advice immediately and show container or label
 S2 Keep out of the reach of children

COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS

Chemical Entity	<i>CAS Number</i>	<i>Proportion (%)</i>
Low Aromatic White Spirit	64742-82-1	> 60
Solvent Naphtha (petroleum) light arom.	64742-95-6	20-40
Contains <0.1% w/w benzene		

FIRST AID MEASURES

FIRST AID TREATMENT

Swallowed: 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.

Eye: If in eyes, hold eyes open, flood with water for at least 15 minutes. If redness, burning, blurred vision, or swelling persist transport to nearest medical facility for additional treatment.

Skin: If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.

Inhaled: 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

First Aid facilities: Potable water should be available to rinse eyes or skin. Provide eye baths and safety showers.

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Advice to Doctor: Treat symptomatically.

Additional Information: None available.

FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Foam, water spray or fog. Dry chemical powder, carbon dioxide for small fires only. Do not use water in a jet.

Hazards from combustion products:

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 ground and distant ignition is possible.

Precautions for Fire Fighters and Special Protective Equipment:

Wear full protective clothing and self-contained breathing apparatus.

Additional Information:

Hazchem code 3[Y]

ACCIDENTAL RELEASE MEASURES

Observe all local and national regulations

Spills and Disposal:

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

Methods and Materials for Containment and Clean Up Procedures:

For small spills (<1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as a vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

HANDLING AND STORAGE

Precautions for Safe Handling and Storage:

Avoid breathing of or contact with material. 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

EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: Worksafe Australia has set an exposure standard 480mg/m^3 (90ppm) TWA (8hr).

Personal Protective Equipment:

Respiratory Protection: If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirators, select an appropriate combination of mask

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and filter and 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.

IDENTIFICATION

PHYSICAL DESCRIPTION / CHEMICAL PROPERTIES

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

STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions of use.

Conditions to Avoid: Avoid heat, sparks, open flames and other ignition sources.

Incompatible Materials: Strong oxidising agents.

Hazardous Decomposition Products: Thermal decomposition is highly dependant on conditions. A complex mixture of airborne solids, liquids, gases, including carbon monoxide, carbon dioxide and other organic compounds will be evolved when this material undergoes combustion or thermal or oxidative degradation.

TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed: 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.

Eye: Mild irritant.

Skin: Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis.

Inhaled: Inhalation of vapours or mists may cause irritation to the respiratory system.

Chronic: Auditory system: prolonged and repeated exposures to high concentration 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.

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ECOLOGICAL INFORMATION

Ecotoxicity:

Fish :	Expected to be toxic
Aquatic Invertebrates :	Expected to be toxic
Algae :	Expected to be toxic
Microorganisms :	Expected to be toxic
Mobility :	Floats on water
Persistence/degradability :	Readily Biodegradable. Oxidises by photo-chemical reactions in air.
Bioaccumulation :	Has the potential to bioaccumulate

DISPOSAL CONSIDERATIONS

Disposal Methods: Ensure waste disposal conforms to local waste disposal regulations.

TRANSPORT INFORMATION

UN Number:	1300	Proper Shipping Name:	Turpentine Substitute
Class:	3	Subsidiary Risk:	None allocated
Packing Group:	III	Hazchem Code:	3[Y]
Special Precautions for User:	None		

REGULATORY INFORMATION

Poisons Schedule : 5
AICS : Listed
Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76:1997) : 14

CONTACT POINT

Contact:	QUICK SMART PRODUCTS WALLY DAY 03 9338 6655
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