Mineral Turpentine

Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

SUPPLIER

PVM Enterprises Pty Ltd
Address: 118 Swann Drive, Derrimut, VIC 3026
Telephone: 03 9357 8310
Emergency Telephone No: 1300 131 001 (ISS First Response)

PRODUCT

Product Name: Rezex Mineral Turpentine
Other Names: PAINT RELATED MATERIAL. (Contains: flammable hydrocarbons).
Manufacturer's Code: None

USE

A solvent used as a Thinner or Cleaning Agent for painting and printing equipment.

This Safety Data Sheet (SDS) is issued by the Supplier in accordance with National standards and guidelines from the Australian Safety and Compensation Council (ASCC, formerly National Occupational Health and Safety Commission - NOHSC). The information in it must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its SDS by any other person or organization. The Supplier will issue a new SDS when there is a change in product specifications and/or ASCC standards, codes, guidelines, or Regulations.

SECTION 2: HAZARD IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: Classified as Hazardous according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC:1008] 3rd Edition.

Mineral Turps is classified as Dangerous good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Signal Word **DANGER**

Pictogram

GHS Classification

Hazard Statement

Flammable Liquids	Category 3	Flammable liquid and vapour
Aspiration Hazard,	Category 1	May be fatal if swallowed and enters airways
Skin Corrosion/Irritation,	Category 2	Causes skin irritation
Serious eye damage/eye irritation	Category 2A	Causes serious eye irritation
Carcinogenicity	Category 2	Suspected of causing cancer
Specific target organ toxicity (single exposure)	Category 1	Causes damage to organs
Specific target organ toxicity (repeated exposure)	Category 1	Causes damage to organs
Chronic Aquatic Toxicity,	Category 3	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

PREVENTATIVE
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
P264 Wash thoroughly after handling
P273 Avoid release to the environment
P280 Wear protective gloves/eye protection/face protection

RESPONSE
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER 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
P331 Do NOT induce vomiting
P332 + P313 If skin irritation occurs: 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
P405 Store locked up

DISPOSAL
P501 Dispose of contents/container in accordance with local regulations

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Proportion %:	CAS Number:
SOLVENT NAPHTHA (PETROLEUM) LIGHT ALIPHATIC	>60.0	[64742-89-8]
AROMATIC HYDROCARBON	< 40	[64742-95-6]

SECTION 4: FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre.

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.

Eyes: If in eyes, hold eyes open, flood with water for at least 15 minutes. If irritation persists seek medical attention.

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

Inhaled: Keep victim calm and remove to fresh air if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

First Aid Facilities: First aid kits, safety showers, eye wash stations
Advice to Doctor: **Symptoms caused by exposure**

Inhalation	Breathing of high vapour concentrations may cause central nervous system depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continuous inhalation may result in unconsciousness and death
Skin	May include redness and cracking.
Eye	May include redness and swelling
Ingestion	May include headache, nausea, coughing and shortness of breath.

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flammability: Product is a flammable liquid.

Suitable extinguishing media: Foam, water spray or fog, dry chemical powder or carbon dioxide. 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.

Special protective precautions and equipment for fire fighters: Wear full protective clothing and self-contained breathing apparatus.

HAZCHEM Code: **3Y**

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure:
Personal precautions, protective equipment and emergency procedures
Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. 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.
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 Clean Up
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.

SECTION 7: HANDLING AND STORAGAE

Handling & Storage: Flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area.

Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment. Flameproof equipment necessary in area where chemical is being used. Vapours may accumulate in low or confined areas.

Bulk storage tanks should be bunded. Store in a well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

Incompatibilities: Store away from incompatible materials such as oxidising agents, heat and sources of ignition. Store away from direct sunlight and moisture

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: National Occupational Exposure Standard (NES) Australian Safety & compensation Council, ASCC (formerly NOHSC)

Mineral Turps

In the absence of data from National Occupational Health & Safety Commission (NOHSC) Worksafe
Australia use -
TWA – 90 ppm 480 mg/m3
TWA- 350 mg/m3
STEL – No data available.

Notes: All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable (practicable) and in all cases to below the National Standard.
These Exposure Standards are guides to be used in the control of occupational health hazards.
These Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
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.
According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.
STEL (Short Term Exposure Limit): the average airborne concentration over a 15 minute period that should not be exceeded at any time during a normal eight-hour work day.

Biological Limit Values: **N/A**

ENGINEERING CONTROLS

 Ventilation: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Use a flame proof exhaust ventilation system

 Special Consideration for Repair &/or Maintenance of Contaminated Equipment: No data available.

PERSONAL PROTECTION

 Personal Hygiene EYES: Chemical goggles to prevent splashing in the eyes (AS1336/1337).
HANDS: Butyl rubber or PVA gloves break through time 4hr (AS2161). CLOTHING: Flame-retardant coveralls and anti-static footwear (AS3765/2210).

Respiratory Protection:	RESPIRATOR: Wear an approved respirator with suitable filter for Organic gases and vapours if engineering controls are inadequate (AS1715/1716).
Thermal Protection:	None should be needed under normal circumstances.
Smoking & Other Dusts	Smoking must be prohibited in all areas where this product is used – see safety information on flammability.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear Colourless liquid
Odour:	Aromatic odour
pH, at stated concentration:	N/A
Vapour pressure:	No data available
Vapour Density:	Not applicable.
Distillation range (°C):	IBP 145°C FBP 205 °C MAX
Freezing/Melting Point (°C):	N/A
Solubility:	Insoluble
Specific Gravity range (H2O = 1):	0.760– 0.800 at 15°C
FLAMMABLE MATERIALS	
Flash Point:	>30˚C
Flash Point Method:	Not available..
Flammable (Explosive) Limit - Upper:	6.0%(as percentage volume in air)
Flammable (Explosive) Limit – Lower:	1.0% (as percentage volume in air)
Auto ignition Temperature:	No data available
ADDITIONAL PROPERTIES	
Evaporation Rate	No data available.
Molecular Weight	No data available.
Volatile Organic Compounds Content (VOC) (as specified by the Green Building Council of Australia) 100%	
% Volatiles	No data available.

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under recommended conditions of use, storage and temperature. Flammable liquid.
Incompatible Materials:	Incompatible with oxidizing agents, heat and sources of ignition.
Conditions to avoid:	Avoid excessive heat, sparks, open flames, direct sunlight, moisture, freezing, static charges and high temperatures
Hazardous Decomposition Products:	Thermal decomposition is highly dependent 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.
Hazardous Reactions:	No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Health effects information is based on reported effects in use from overseas and Australian reports.

Effects

Expected to be of low toxicity -
LD50 Oral (rat) > 2000 mg/kg
LC50 Inhalation greater than near-saturated vapour concentration (rat, 4h)
LD50 Dermal (rabbit) > 2000 mg/kg

Skin corrosion/irritation:	Mild irritant. Prolonged contact may cause defatting of skin which can lead to dermatitis. Causes skin irritation
Serious eye damage/irritation	Mild irritant. Cause eye irritation.
Acute toxicity	Non-hazardous
Germ cell mutagenicity:	Not classified.
Carcinogenicity	Suspected of causing cancer.
Reproductive toxicity:	Not classified.
Specific Target Organ Toxicity (STOT) – single exposure:	Inhalation of vapours or mists may cause irritation to the respiratory system. Causes damage to organs.
Specific Target Organ Toxicity (STOT) –	Central nervous system: repeated exposure affects the nervous system. Effects seen at high doses only. Causes damage to organs.
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.
Aspiration hazard:	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Chronic Aquatic Toxicity	Harmful to aquatic life with long lasting effects

SECTION 12: ECOLOGICAL INFORMATION

Acute toxicity:

Fish –	Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l
Aquatic invertebrate –	Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l
Algae –	Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l
Microorganisms –	Expected to be harmful: 10 < LC/EC/IC50 <= 100mg/l

Chronic toxicity:

Fish –	Data not available
Aquatic invertebrate –	Data not available
Algae –	Data not available
Microorganisms –	Data not available

Persistence and degradability

Readily biodegradable. Oxidises by photo-chemical reactions in air.

Bioaccumulative potential

Has the potential to bioaccumulate.

Mobility in soil

Floats on water.

Other adverse effects

Data not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility. Contact a specialist disposal company or the local waste regulator for advice. This should be done in accordance with 'The Hazardous Waste Act'.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name:	TURPENTINE SUBSTITUTE
UN number:	1300
DG Class:	3
Subsidiary Risk 1:	-
Packaging Group:	III
HAZCHEM code:	3Y

SECTION 15: REGULATORY INFORMATION 15: REGULATORY I

Poisons Schedule: 5

SECTION 16: OTHER INFORMATION

ADDITIONAL INFORMATION
Australian Standards References:

AS 1020	The Control of undesirable static electricity.
AS 1076	Code of Practice for selection, installation and maintenance of electrical apparatus and associated equipment for use in explosive atmospheres (other than mining applications) – Parts 1 to 13.
AS/NZS 1336	Recommended Practices for Occupational Eye Protection
AS/NZS 1715	Selection, Use and Maintenance of Respiratory Protective Devices
AS/NZS 1716	Respiratory Protective Devices
AS 1940	The Storage and Handling of Flammable and Combustible Liquids.
AS 2161	Industrial Safety Gloves and Mittens (excluding electrical and medical gloves)
AS 2380	Electrical equipment for explosive atmospheres – Explosion Protection Techniques (Parts 1 to 9).
AS 3000	Electrical installations (known as the Australian/New Zealand Wiring Rules).

Other References:

NOHSC:2011(2003)	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition, April 2003, National Occupational Health and Safety Commission.
NOHSC; 2012 (1994)	National Code of Practice for the Labeling of Workplace Substances, March 1994, Australian Government Publishing Service, Canberra.
NES	National Occupational Exposure Standards for workplace Atmospheric Contaminants (NES) Australian Safety and Compensation Council, ASCC (Formerly NOHSC) 1995 as amended.
ADG Code 7th	Australian Dangerous Goods Code 7th Edition

AUTHORISATION

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END OF SDS