

SAFETY DATA SHEET



Section 1: Identification of the Substance/Mixture and of the Supplier

Product Name: Mineral Turpentine
Proper Shipping Name Turpentine Substitute
Recommended use: Industrial chemical
Restrictions of use: Refer to Section 15
Company Details Marketing Chemicals Ltd
Address: 7 Rymer Place, Mangere Bridge
Auckland. New Zealand
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Emergency Telephone: +64 274 340990(24 hours)
National Poison Centre(24 hours): 0800 POISON [764 766]
Date of preparation 3 September 2024 v2

Section 2: Hazard Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Solvents (Flammable) - HSR0002662

Pictograms:



Signal Word: DANGER

GHS Category	Hazard Code	Hazard Statement
Flammable Liquids Cat. 3 Aspiration hazard Cat. 1	H226 H304	Flammable liquid and vapour. May be fatal if swallowed and enters airways.
Skin irritation Cat. 2 Specific target organ toxicity – repeated exposure Cat. 1	H315 H372	Causes skin irritation. Causes damage to organs through prolonged or repeated exposure.
specific target organ toxicity - single exposure Cat 3 - Narcotic Effects	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects.

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, sparks, open flames and hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating, and lighting.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe fumes or vapours.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.
P271	Use only outdoors or in a well ventilated area.
P280	Wear protective clothing as detailed in SDS Section 8 .

Response code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
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.
P391	Collect spillage.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P303 +	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.
P361+P353	Rinse skin with water/shower.
P304+P340	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P362 + P364	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of a fire use foam or water fog for extinguishing.

Storage Code	Storage Statement
P405	Store locked up.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.

Section 3: Composition/Information on Ingredients

Name	% by Wt.	CAS Number
Aliphatic hydrocarbon, low aromatic	60 – 65	64742-82-1
Aromatic hydrocarbon	35 – 40	64742-95-6

Section 4: First Aid Measures

Eyes:	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. Get medical attention if irritation persists.
Skin:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Get medical attention if irritation persists.

Ingestion: If swallowed, do not induce vomiting. Keep at rest. Seek immediate medical attention. Begin artificial respiration if the victim is not breathing. Use mouth to nose rather than mouth to mouth. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Inhalation: Move the victim to fresh air immediately. Keep warm and at rest. Seek medical attention if rapid recovery does not occur. Begin artificial respiration if breathing has stopped.

NOTES TO PHYSICIAN: Treat according to symptoms. Gastric lavage may be indicated if ingested but protect airway as risk of aspiration into lungs with potential to cause chemical pneumonitis. Do not wait for symptoms to develop. General measures should be taken to control acidosis and maintain urine output.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion	May be fatal if swallowed and enters airways.
Inhalation	May cause drowsiness or dizziness.
Skin	Causes skin irritation.
Eyes	May cause irritation.
Chronic	Causes damage to organs through prolonged or repeated exposure.

For Further Information Telephone (24 Hours) The National Poison Centre: 0800 Poison [764 766]

Section 5: Fire Fighting Measures

Hazard Type	Flammable
Hazards from products	Vapour accumulations may flash and/or explode if ignited. Keep ignition sources, open flames, ect. away from those fumes.
Suitable Extinguishing media	Foam or water fog. Dry chemical, carbon dioxide, sand and earth are suitable for extinguishing small fires.
Precautions for firefighters and special protective clothing	Proper respiratory equipment to protect against the hazardous effects of combustion products is recommended. Water in a straight hose stream may cause fire to spread and should be used as a cooling medium only.
HAZCHEM CODE	3Y

Section 6: Accidental Release Measures

SMALL SPILL: Extinguish possible sources of ignition. Evacuate all unprotected personnel and ventilate area. Only personnel equipped with proper respiratory, skin/eye protection should enter spill area. Dike area to contain spill and clean up by absorbing on an inert absorbent or other means. Don't flush into sewers or natural waterways.

LARGE SPILL: Contain material as described above and call the local fire or police department for immediate emergency assistance.

Section 7: Handling And Storage

Handling

- Keep out of reach of children.
- Read label before use.
- Keep away from heat, sparks, open flames and hot surfaces. No smoking.
- Open container slowly to relieve any pressure
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical, ventilating, and lighting.
- Use only non-sparking tools.
- Take precautionary measures against static discharge.
- Do not breathe fumes or vapours.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective clothing.

Storage:

- Store in a well-ventilated place. Keep cool and dry.
- Store locked up.
- Keep container tightly closed.
- Store away from incompatible materials listed in Section 10.

Section 8: Exposure Controls/Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance		TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Xylene	[1330-20-7]	50	217	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). *The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.* Workplace Exposure Standard – Short-Term Exposure Limit (WES-STEL). *The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply.* Workplace Exposure Standards and Biological Exposure Indices NOV 2023 14TH EDITION.

Engineering Controls:

General (mechanical) room ventilation is considered satisfactory in enclosed spaces. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

Personal Protection Equipment



Eye / Face Protection:

Wear safety glasses with side shields or goggles when handling this material.

Body Protection:

PVC-coated gloves. Avoid skin contact. If skin contact or contamination of clothing is likely, protective clothing should be worn.

Respiratory Protection:

Use NIOSH/MSHA approved respirators.

Where concentrations in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half-face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Section 9: Physical And Chemical Properties

Appearance	Liquid
Colour	Clear Colourless
Odour	Not available
Odour Threshold	Not available
pH	Not applicable
Boiling Point	154-192°C
Melting Point	Not available
Freezing Point	Not available
Flash Point	41°C
Flammability	Flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	Not available
Solubility in Water	Insoluble
Partition Coefficient:	Not available
Auto-ignition Temperature	>200°C
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable
Evaporation Rate	Not available
% Volatiles	100

Section 10: Stability And Reactivity

Stability of the Substance:

Stable at room temperature and pressure

Conditions to avoid:

Exposure to excessive heat, open flames and sparks. Avoid conditions that favour the formation of excessive mists and/or fumes.

Materials to avoid:

Strong oxidizing agents.

Hazardous Decomposition Products:

None known

Conditions Contributing to Hazardous Polymerization

Will not occur

Section 11: Toxicological Information

Acute Effect**Eyes:**

This product is slightly irritating to eyes, but will not permanently damage the eye tissue.

Skin:	This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking. Prolonged or repeated exposure may lead to dermatitis.
Ingestion:	Small amounts of liquid aspirated into the lungs during ingestion, or from vomiting, may cause chemical pneumonitis, or pulmonary oedema. Ingesting any amount of this product will result in headaches, nausea, dizziness, and tracheal burning.
Inhalation:	This product may be irritating if inhaled resulting in coughing, wheezing, choking, or breathing difficulties. . Exposure to large concentrations over an extended period will result in central nervous system (CNS) depression with symptoms of headache, nausea, and lack of co-ordination.
Dermal:	Not applicable.
<u>Chronic Effect</u>	This product may contain >0.1 to 1% of xylene (mixed isomers) as an impurity.
Carcinogenicity:	Not applicable
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	May cause drowsiness or dizziness.
STOT/RE	Causes damage to organs through prolonged or repeated exposure.

Section 12: Ecological Information

Toxic to aquatic life with long lasting effects.

Environmental Precautions: Do not allow product to wash into waterways.

Persistence and degradability	Expected to be biodegradable
Bioaccumulation	not bio accumulative
Mobility in Soil	No data available
Other adverse effects	Oxidized rapidly by photochemical reactions in air.

Section 13: Disposal Considerations

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 and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful. Ensure that empty packaging is allowed to dry.

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

Section 14: Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	1300
Class - Primary	3
Packing Group	II
Proper Shipping Name	TURPENTINE SUBSTITUTE
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 1L/kg, it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15: Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: Solvents (Flammable) - HSR0002662

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	500L(>5L), 1500L(<5L)< 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000 L
Emergency Response Plan	1000 L
Secondary Containment	1000 L
Restriction of Use	None

Section 16: Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

Marketing Chemicals Ltd has taken care in compiling this information. No liability is accepted directly or indirectly from its application as conditions of use are outside the Company's control. End users are obliged to conform to relevant Local Government regulations.

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Issue Date: 3 September 2024 Review Date: 3 September 2029