

Section 1. Identification of the material and the supplier

Product: **Mineral Turpentine**
 Product Code: MT1 / MT5 / MT20
 Product Use: General purpose solvent, cleaner, thinners
 Restriction of Use: Refer to Section 15

New Zealand Supplier: **Glasscorp Limited**

Address: **124 Bush Road
 Albany
 Auckland
 New Zealand**

Telephone: 09 415 6338
 Fax Number: 09 415 6339
 Email: sales@glasscorp.co.nz
 Website: www.glasscorp.co.nz

Emergency Telephone: 09 415 6338 or 0800 764 766 (National Poison Line)

Date of MSDS Preparation: 06 June 2015 - Version 2

Section 2. Hazards Identification

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001

EPA Approval Code and Group Standard: Solvents (Flammable hazard) HSR002650

Pictograms:



Flammable



Ecotoxic

Signal Word: **Warning**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
3.1C	H226	Flammable liquid and vapour.	Category 3
6.1E	H303	May be harmful if swallowed.	Category 5
6.3B	H316	Causes mild skin irritation.	Category 3
9.1B	H411	Toxic to aquatic life with long lasting effects	Category 2

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P210	Keep away from heat, sparks, open flames or hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting.
P242	Use only non-sparking tools.

P273	Avoid release to the environment.
P280	Wear protective clothing.

Response code	Response Statement
P312	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.

P391	Collect spillage.
P303+ P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P370 + P378	In case of fire: Use dry chemical, carbon dioxide (CO ₂), water fog or foam

Storage Code	Storage Statement
P403 + P235	Store in a well-ventilated place. Keep cool.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations

Section 3. Composition / Information on Ingredients

Description: A complex combination of hydrocarbons consisting primarily of aromatic hydrocarbons having carbon numbers predominantly in the range C8 to C10 and boiling in the range of 135°C to 210°C.

Ingredients	Wt%	CAS NUMBER.
1,2,4-Trimethylbenzene	30-60	95-63-6
1,3,5-Trimethylbenzene	10 – 30	108-67-8
1,2,3-Trimethylbenzene	<10	526-73-8
Xylene	10 - 30	1330-20-7
Cumene	<10	98-82-8
Propyl benzene	<10	103-65-1

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Immediately flush eyes with gentle but large stream of water for at least 15 minutes, If eye irritation occurs: Get medical advice/attention.
If on Skin	Wash with plenty of soap and water. Take off contaminated clothing and wash before re-use. If skin irritation occurs: Get medical advice/ attention.
If Swallowed	Rinse mouth. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Section 5. Fire Fighting Measures

Hazard Type	Flammable liquid.
Hazards from decomposition products	May evolve toxic gases (carbon dioxide, carbon monoxide and hydrocarbons) On combustion.
Suitable Extinguishing media	Use foam, carbon dioxide, dry chemical or water spray to extinguish fire. Use water spray to cool storage tanks, pipelines and fire-exposed surfaces.
Precautions for firefighters and special protective clothing	Fire fighters should wear full protective clothing and self-contained breathing apparatus. Flammable. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire hazard. Heating can cause expansion or decomposition leading to violent rupture of containers. Do not use water as a jet! Do not allow run off to enter drains or watercourses.
HAZCHEM CODE	3Y

Section 6. Accidental Release Measures

Leak or Spillage

Use personal protective equipment (see sections 5 and 8). Evacuate unprotected personnel. Isolate sources of ignition. Isolate source of leak. Ventilate area where possible. Have a fire extinguisher readily available during clean up. Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, cat litter or similar), collect and place in suitably labelled containers (flammable waste) for disposal by a registered waste disposal contractor. Use only non-sparking tools during clean up. Do not allow spills to enter drains or waterways. Contact local environmental protection officer if any material enters the drains , sewers or waterways.

Section 7. Handling and Storage

Precautions for safe handling:

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Keep away from heat, sparks, open flames or hot surfaces. No smoking.
- Keep container tightly closed.
- Ground/bond container and receiving equipment.
- Use explosion-proof electrical/ventilating/lighting.
- Use only non-sparking tools.
- Collect spillage.
- Take precautionary measures against static discharge.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Wear protective clothing.
- Use personal protective equipment as required.

Precautions for safe storage:

- Store in a well-ventilated place. Keep cool.
- Store away from incompatible materials listed in Section 10.

Section 8	Exposure Controls / Personal Protection
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WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	CAS # (a)	TWA		STEL	
		ppm(b)	mg/m ³ (c)	ppm(b)	mg/m ³ (c)
White spirits (Stoddard solvent)	8052-41-3	100	525	-	-
Cumene (skin, 2001)	98-82-8	25	125	75	375
Xylene (o-, m-, p-isomers)	[1330-20-7 95-47-6 108-38-3 106-42-3]	50	217	-	-

Engineering Controls:

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 (WESSTEL). *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.*

Engineering Controls

Use in a well ventilated area. Avoid inhalation. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable / explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

Personal Protection

Respiratory: Where an inhalation risk exists, wear: a Type A (Organic vapour) respirator.

Hand Protection: Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves, e.g. nitrile, when handling this product.

Eye: Wear splash-proof goggles.

Section 9	Physical and Chemical Properties
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Appearance	Colourless liquid
Odour	Paraffinic odour.
Odour Threshold	Not applicable
pH	Not applicable
Boiling Point	Typical 148 - 200°C
Melting Point	Not applicable
Freezing Point	Not applicable
Flash Point	31°C
Auto ignition point	300°C
Upper and Lower Exposure Limits	0.7 - 6.5%
Vapour Pressure	0.5 kPa
Vapour Density	Not available
Specific Gravity	Not available
Solubilities	Negligible
Partition Coefficient:	Not applicable
Viscosity	Not applicable

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Decomposition Temperature	Not applicable
% Volatile wt/wt	Not applicable
Evaporation Rate	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	Extremes of temperature, direct sunlight, Ignition sources e.g. heat, sparks, static discharges, flame.
Incompatible Materials	Avoid contact with strong oxidising agents.
Hazardous Decomposition Products	Oxides of carbon.

Section 11 Toxicological Information

Acute Effects:

Swallowed	May be harmful if swallowed.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Causes mild skin irritation.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

HSNO Classification: 9.1B

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence / Degradability Readily biodegradable. Oxidises rapidly by photochemical reactions in air.

Mobility Floats on water.

Bioaccumulation Potential Has the potential to bioaccumulate.

Environment Protection Do not allow product to enter drains, waterways or sewers.

Acute Toxicity

Fish Expected to be toxic: 1 < LC/EC/IC50 less than or equal to 10mg/L

Algae Expected to be toxic: 1 < LC/EC/IC50 less than or equal to 10mg/L

Other Organisms
Aquatic invertebrates: Expected to be toxic: 1 < LC/EC/IC50 less than or equal to 10mg/L
Microorganisms: Expected to be toxic: 1 < LC/EC/IC50 less than or equal to 10mg/L

Section 13. Disposal Considerations

Waste Disposal Puncture empty container and recycle. For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved.

Legislation Dispose of in accordance with relevant local legislation.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ; NZS 5433:2012

Transport Pictograms:



Road and Rail Transport

UN No.	1300
DG Class	3
Subsidiary Risk(s)	None Allocated
Pkg Group	II
Shipping Name	TURPENTINE SUBSTITUTE

Air Transport

UN No.	1300
DG Class	3
Subsidiary Risk(s)	None Allocated
Pkg Group	II
Shipping Name	TURPENTINE SUBSTITUTE

Marine Transport

UN No.	1300
DG Class	3
Subsidiary Risk(s)	None Allocated
Pkg Group	II
Shipping Name	TURPENTINE SUBSTITUTE

Section 15 Regulatory Information

EPA Approval Code: Solvents (Flammable hazard) - HSR002650

HSNO Classification: 3.1c, 6.1E(oral), 6.3B, 9.1B

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	500L(>5L), 1500L(<5L), 250L open
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (3.1C)
Emergency Response Plan trigger Quantities	10000L (3.1C)
Restriction of use	None

Section 16 Other Information

1. Hazardous Substances Data Bank (HSDB), a database of the National Library of Medicine's TOXNET system (<http://toxnet.nlm.nih.gov>).
2. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

Disclaimer

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Please contact Glasscorp Limited, if further information is required.

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