

SAFETY DATA SHEET

Product Name

Mineral Turpentine

1. PRODUCT AND COMPANY IDENTIFICATION

Recommended use:	Solvent, for industrial use
Company Details:	Super Shine Products Ltd
Address:	64, 66 Huia Road, Otahuhu Auckland. New Zealand
Telephone Number:	+64 9 276 1591
Emergency Telephone Number:	National Poison Information Centre 0800 764 766
Date of Preparation:	16/08/2022

2. HAZARD IDENTIFICATION

GHS Classification and Categories

- 3.1C Flammable liquids: medium hazard
- 6.1E (Oral) - Substance that is acutely toxic
- 6.1E (Dermal) - Substance that is acutely toxic
- 6.1D (Inhalation-vapours, dusts or mists)- Substances that is acutely toxic
- 6.1E (Aspiration hazard 1)-substance that is acutely toxic
- 6.3A Substance that is irritating to skin
- 6.4A Substance that is irritating to eyes
- 6.7B Substance that is a suspected human carcinogen
- 6.8B Substance that is suspected to be a human reproductive or developmental toxicant
- 6.9B (Repeated exposure) - Substance that is harmful to human target organs or systems
- 9.1B Substance that is ecotoxic in the aquatic environment
- 9.3C Substance that is harmful to terrestrial vertebrates



DANGER

Hazard Statement (s)

Code:	Hazard Statement:
H226	Flammable liquid and vapour
H303	May be harmful if swallowed
H304	May be fatal if swallowed and enters airways.
H313	May be harmful in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H332	Harmful if inhaled.
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure by ingestion and by inhalation.
H411	Toxic to aquatic life with long lasting effects
H433	Harmful to terrestrial vertebrates

Prevention Statement

Precautionary statement – Prevention

P102 Keep out of reach of children.

P103 Read label before use.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood. 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/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P101 If medical advice is needed, have product container or label at hand. P308+P313

IF exposed or concerned: Get medical advice/attention.

P314 Get medical advice/attention if you feel unwell.

P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction.

P391 Collect spillage.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P331

Do NOT induce vomiting.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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.

P362 Take off contaminated clothing and wash before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary statement – Storage

P403+P235 Store in a well-ventilated place. Keep cool. P405

Store locked up.

Precautionary statement – Disposal

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

- contractor

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration %
1,2,4- trimethylbenzene	95-63-6	30-60%
Xylene	1330-20-7	10-30%
1,3,5 Trimethylbenzene	108-67-8	10-30%
Ethyl Benzene	100-41-4	1-<10%
1,2,3 – Trimethyl benzene	526-73-8	0-<10%
Cumene	98-82-8	0-<10%
Propylbenzene	103-65-1	0-<10%

4. FIRST AID MEASURES

Ingestion:

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Seek immediate medical attention.

Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment.

Skin Contact:

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give Oxygen. Get medical help.

Advice to Doctor

Treat symptomatically

5. FIRE FIGHTING MEASURES

Extinguishing Media:

Use dry chemical powder, foam, polymer foam, water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires, and to absorb heat, keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

Hazards from combustion products:

Flammable liquid. Vapour may form explosive mixtures with air above the flash point of 48 deg C. Avoid exposure to sources of ignition or open flame. Avoid using in a confined space or generating mists or vapours. May accumulate static charge by flow or agitation. Vapour is heavier than air and may collect in drains or other low areas. Electrically ground all drums, transfer vessel, hoses and piping.

Precautions for fire fighters and special protective equipment:

Alert Fire Brigade and tell them location and nature of hazard.

- Wear breathing apparatus plus protective gloves.
- Prevent, by any means available, spillage from entering drains or water courses

Use fire-fighting procedures suitable for surrounding area.

Use water delivered as a fine spray to control the fire and cool adjacent area.

DO NOT approach containers suspected to be hot.

If safe to do so, remove containers from path of fire.

Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or products of combustion as well as structural fire fighters' uniform.

6. ACCIDENTAL RELEASE MEASURES

Emergency Precautions:

Personnel involved in the clean should wear full protective clothing. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may be slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

Methods and Materials for Containment and Clean Up:

Soak up spilled product using absorbent non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

7. HANDLING AND STORAGE

Handling:

Wash thoroughly after handling. Use only in a well-ventilated area. Avoid contact with eyes, skin and clothing. Empty containers retain product and residue, (liquid or vapour), and can be dangerous. Keep container tightly closed. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Do not dispose of material to sewers or waterways.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Keep from contact with oxidizing materials. Store in cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

9. Substance	Regulations	Exposure Duration	Exposure Limit	Units	Notes
Xylene	NZ OELs List	TWA	50	ppm	
Xylene	NZ OELs List	TWA	217	mg/m3	
Ethylbenzene	NZ OELs List	TWA	100	ppm	
Ethylbenzene	NZ OELs List	TWA	434	mg/m3	
Ethylbenzene	NZ OELs List	STEL	125	ppm	

Ethylbenzene	NZ OELs List	STEL	543	mg/m3	
1, 2, 3- Trimethyl benzene	NZ OELs List	TWA	23	ppm	(as Trimethyl benzene)
1, 2, 3- Trimethyl benzene	NZ OELs List	TWA	123	mg/m3	(as Trimethyl benzene)
Cumene	NZ OELs List	TWA	25	ppm	Skin
Cumene	NZ OELs List	TWA	125	mg/m3	Skin
Cumene	NZ OELs List	STEL	75	ppm	Skin
Cumene	NZ OELs List	STEL	375	mg/m3	Skin
1, 2, 4- Trimethylbenzene	NZ OELs List	TWA	25	ppm	(as Trimethyl benzene)
1, 2, 4- Trimethylbenzene	NZ OELs List	TWA	123	mg/m3	(as Trimethyl benzene)
1, 3, 5- Trimethylbenzene	NZ OELs List	TWA	25	ppm	(as Trimethyl benzene)
1, 3, 5-Trimethylbenzene	NZ OEL List	TWA	123	mg/m3	(as Trimethyl benzene)

Biological Limit Values

Name: Xylenes

Determinant: Methylhippuric acids

Specimen: Creatinine in urine.

Value: 1.5 g/g

Sampling time: End of shift.

Name: Ethylbenzene

Determinant: Sum of mandelic acid and phenylglyoxylic acid

Specimen: Creatinine in urine.

Value: 0.15 g/g

Sampling time: End of shift.

Source: American Conference of Industrial Hygienists (ACGIH)

Appropriate Engineering Controls

This substance is hazardous and should be used with a local exhaust ventilation system, drawing vapours away from workers' breathing zone. A flame-proof exhaust ventilation system is required. If the engineering controls are not sufficient to maintain concentrations of vapours/mists below the exposure standards, suitable respiratory protection must be worn. Refer to relevant regulations for further information concerning ventilation requirements.

Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable vapor/mist filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements.

Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations.

Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection

Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

10. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Colourless

liquid

Colour

Colourless

Odour

Paraffinic

Decomposition Temperature

Not available

Melting Point

Not available

Boiling Point

148 - 200 °C (typical)

Solubility in Water

Negligible

pH

Not applicable

Vapour Pressure

0.5 kPa (typical)

Vapour Density (Air=1)

Not available

Evaporation Rate

Not available

Odour

Threshold

Not available

Viscosity

Refer to Section 9: Kinematic Viscosity and Dynamic Viscosity

Volatile Component

Not available

Partition Coefficient: n-octanol/water

Not available

Density

800 - 820 kg/m³ (15 °C) (ASTM D-4052)

801 Flash Point

31 °C (Abel Closed Cup) (typical)

Flammability

Flammable liquid and vapour.

Auto-Ignition Temperature

300 °C (typical)

Flammable Limits -

Lower

0.7%

Flammable Limits - Upper

6.5%

Explosion Properties

Not available

Oxidising

Properties

Not available

Kinematic Viscosity

Not available

Dynamic Viscosity

Not available

11. STABILITY AND REACTIVITY

Chemical Stability:	Stable at room temperature and pressure.
Conditions to avoid:	Avoid excessive heat, direct sunlight, moisture, high temperatures.
Incompatible Materials:	Incompatible with oxidizing agents, acidic agents, including acidic clays, and sources of ignition.
Hazardous decomposition:	When involved in a fire, this product will generate carbon monoxide
Hazardous reactions:	Oxidizing agents, mineral acids, halogenated organic compounds.

12. TOXICOLOGICAL INFORMATION

Toxicology Information

No toxicity data available for this material.

Ingestion

May be harmful if swallowed. May be fatal if swallowed and enters airways. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause severe pulmonary injury that may lead to death. May cause irritation to the mouth, throat, esophagus and stomach with symptoms of nausea, abdominal discomfort, vomiting and diarrhoea.

Inhalation

Harmful if inhaled. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system.

Skin

May be harmful in contact with skin. Product can be absorbed through skin with resultant harmful systemic effects. Causes skin irritation. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness and cracking and may lead to dermatitis.

Eye

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision, and redness.

Respiratory sensitisation

Not expected to be a respiratory sensitiser.

Skin Sensitisation

Not expected to be a skin sensitiser.

Germ cell mutagenicity

Not considered to be a mutagenic hazard.

Carcinogenicity

Suspected of causing cancer. Classified as a suspected human carcinogen.

Ethylbenzene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).

Cumene is listed as a Group 2B: Possibly carcinogenic to humans according to International Agency for Research on Cancer (IARC).

Xylene is listed as a Group 3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Reproductive Toxicity

Suspected of damaging fertility or the unborn child. Classified as a suspected human reproductive or developmental toxicant.

STOT-single exposure

Not expected to cause toxicity to a specific target organ.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure by ingestion and by inhalation.

Aspiration Hazard

May be fatal if swallowed and enters airways.

Other Information

May cause : Hearing loss and central nervous system effects.

13. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects. Harmful to terrestrial vertebrates.

Persistence and degradability

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

Mobility

Floats on water. **Bioaccumulative Potential** Potential for bioaccumulation.

Other Adverse Effects Not available **Environmental Protection**

Do not discharge this material into waterways, drains and sewers.

Acute Toxicity – Fish

LC/EC/IC50: 1 - 10 mg/L

Acute Toxicity - Algae

LC/EC/IC50: 1 - 10 mg/L

Acute Toxicity - Other Organisms

Aquatic invertebrates and microorganisms

LC/EC/IC50: 1 - 10mg/L

14. DISPOSAL CONSIDERATIONS

Disposal Methods:

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

Special precautions for landfill or incineration:

This product is not suitable for disposal by either landfill or via municipal sewers, drain, natural streams or rivers. This product is ash less and can be burned directly in appropriate equipment.

15. TRANSPORT INFORMATION

UN no.:	1300
Proper shipping name:	Flammable liquid N.O.S
Dangerous goods classes	3 and 9
Packaging group:	III
Hazchem code:	3(Y) E



This product is classified as Dangerous Goods Class 3, packaging group II, please consult the land Transport Rule, DG 2005, and NZS 5433:2007 Transport of Dangerous Goods on land for information

16. REGULATORY INFORMATION

HSNO Approval No:	HSR002528
Group Standard:	Cleaning products (flammable) Group Standard 2006

17. OTHER INFORMATION

New Zealand National Poison Information Centre:	0800 764 766
New Zealand Emergency Services:	111
Super Shine Products Limited:	+64 9 276 1591

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Super shine Products Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.