

SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: MINERAL TURPENTINE LS0015

Synonyms: UN 1300, TURPENTINE SUBSTITUTE

Use: Removing oil or grease, thinning paint.

Supplier: Advance Chemicals

ABN: 61 005 625 025

Street Address: 4 – 8 Malton Court, Altona, 3018

Telephone Number: (03) 9398 4444

Facsimile: (03) 9398 5278

Emergency Telephone: Ted Powell (03) 9398 4444 (Business Hours)
0425 800 022 (After Hours)

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals 3rd Revised Edition.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

Flammable Liquid – Category 3

Acute Toxicity (Inhalation) – category 4

Serious Eye Damage/irritation – category 2A

Specific target Organ toxicity (Single Exposure) – Category 3

Skin Corrosion/Irritation – Category 2

Long- term hazard to the aquatic Environment – Category 3

SIGNAL WORD: WARNING



Hazard Statement(s):

H226 – Flammable liquid and vapour.

H332 – Harmful if inhaled

H319 – Causes serious eye irritation

H315 – Causes skin irritation

H411 – Toxic to aquatic life with long lasting effects

Precautionary Statement(s):

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Prevention:

- P102 Keep out of reach of children.
- P103 Read label before use.
- P104 Read Safety Data Sheet before use.
- P210 – Keep away from ignition sources – No smoking.
- P233 – Keep container tightly closed.
- P240 – Ground/Bond container and receiving equipment
- P241 – use explosion – proof equipment when handling this product.
- P242 – Use only non-sparking tool.
- P243 – Take precautionary measures against static discharge.
- P261 – Avoid breathing fume/gas/mist/vapours/spray
- P271 – use only outdoors or in a well ventilated area
- P264 – Wash hands and any exposed skin thoroughly after handling

Response:

- P303 + P361 +P353 – IF ON SKIN (or hair): remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P370 + P378 – In case of fire use alcohol resistant foam, Dry Chemical, CO₂ or water fog.
- P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- P312 – Call a POISON CENTER (131126) or doctor/physician if you feel unwell
- 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 occurs: Get medical advice/attention

Storage:

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

Disposal:

- P501: Dispose of contents/container in accordance with local waste management authority.

Poisons Schedule (Australia): 5

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	C.A.S. No.	Proportion	Risk phrases
1, 2, 4 – Trimethyl Benzene	95 – 63 – 6	30 – 60%	H226; H332; H319; H335; H315; H411
1, 3, 5 – Trimethyl Benzene	108 – 67 – 8	10 – 30%	
Xylene	1330 – 20 – 7	10 – 30%	
1, 2, 3 – Trimethyl Benzene	526 – 73 – 8	< 10%	
Cumene	98 – 82 – 8	< 10%	
N – Propyl Benzene	103 – 65 – 1	< 10%	

4. FIRST AID MEASURES

Inhalation: Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing has stopped. Keep at rest. Call for prompt medical attention.

Skin Contact: Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes and launder before reuse.

Eye Contact: Immediately flush eyes with plenty of water for 15 minutes, holding eyelids open. In all cases of eye contamination, it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. Give plenty of water to drink. Do NOT induce vomiting. If vomiting occurs, maintain the head lower than the trunk in order to prevent aspiration of the product into the lungs. Seek medical attention immediately. If any of the following delayed signs and symptoms appear within the next 6 hours fever greater than 38.3°C, shortness of breath, chest congestion or continued coughing or wheezing transport to the nearest medical facility.

Medical advice: For advice, contact Poisons Information Centre, phone 131126, or call a doctor.

Notes to Doctor: Causes central nervous system depression. Dermatitis may result from prolonged or repeated exposure. Potential for chemical pneumonitis. Call a doctor or poison control centre for guidance.

5. FIRE FIGHTING MEASURES

Specific Hazards: Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

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Firefighting advice: Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment. Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit. Please note: Structural fire fighters uniform will provide limited protection.

Suitable Fire Extinguishing Media: Dry powder, foam, water fog or for small fires CO₂. Do not discharge extinguishing waters into the aquatic environment.

Hazchem Code: 3Y

Flammability: Flammable liquid. In certain circumstances product can ignite due to static electricity.

6. ACCIDENTAL RELEASE MEASURES

Avoid eye and skin contact. Wear protective clothing if skin contact is liable to occur. Wear goggles if accidental eye contact can occur. Where the concentration of vapour is expected to reach the exposure limit the correct respiratory protection must be worn as detailed in AS1716. Extinguish all ignition sources. For large spills prevent entry into drainage systems and rivers. Collect with absorbent material such as sand, earth or sawdust. Refer to State Land Waste Authority for disposal.

7. HANDLING AND STORAGE

Handling advice: Avoid breathing of or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. Avoid contact with skin, eyes and clothing. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. The vapour is heavier than air, spreads along the ground and distant ignition is possible. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Ventilate workplace in such a way that the Occupational Exposure Limit (OEL) is not exceeded. Do not empty into drains.

Storage advice: Must be stored in a bunded, well ventilated area, away from ignition sources. Keep away from aerosols, flammables, oxidising agents, corrosives and from other flammable products which are not harmful or toxic to man or to the environment. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Reference can also be made to all Local, State and Federal regulations.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational Exposure Limits: Not known.

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Engineering Controls: Provide sufficient ventilation to keep airborne levels below the exposure limit. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS1940 and AS2430 for further information concerning ventilation requirements.

Personal Protection Equipment: Avoid eye and skin contact. Wear protective clothing if skin contact is liable to occur. Wear goggles if eye accidental eye contact can occur. Where the concentration of vapour expected to reach the exposure limit wear the correct respiratory protection must be worn as detailed in AS1716.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, colourless liquid, aromatic odour.

Boiling Point: 148 – 200°C

Melting Point: Not available

Flash Point: 31 - 36°C Abel

Vapour Pressure: 0.5 kPa torr (@ 20 °C)

Vapour Density (Air = 1): No data available

Flammability Limits: LEL 0.8% UEL 6.0%

Specific Gravity: 800 kg/m³ – 820 kg/m³

pH (1% solution): Not applicable

Solubility in water: Insoluble

Corrosiveness: Non-Corrosive

10. STABILITY AND REACTIVITY

Stability: Stable when stored in sealed container at room temperature.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity: Low toxicity: LD50 >2000 mg/kg , Rat Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Acute Dermal Toxicity: Low toxicity: LD50 >2000 mg/kg , Rat

Acute Inhalation Toxicity: Low toxicity: LC50 greater than near-saturated vapour concentration. / 4hours, Rat

Skin Irritation: May cause moderate skin irritation (but insufficient to classify).

Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

Eye Irritation: Not irritating to eye.

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

Sensitisation: Not a skin sensitiser.

Repeated Dose Toxicity: Kidney: caused kidney effects in male rats which are not considered relevant to humans

Central nervous system: repeated exposure affects the nervous system.

Mutagenicity: Not mutagenic.

Carcinogenicity: Limited evidence of carcinogenic effect. (Ethylbenzene)

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Reproductive and Developmental Toxicity: Not expected to impair fertility. Not a developmental toxicant.

Acute Health Effects:

Ingested: Harmful: may cause lung damage if swallowed.

Eye: Irritant to the eyes. May cause transient stinging or redness.

Skin: May cause moderate irritation to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis.

Inhaled: Inhalation of vapours or mists may cause irritation to the respiratory system. Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Chronic: May irritate skin on prolonged or repeated exposure.

12. ECOLOGICAL INFORMATION

Acute Toxicity

Fish: Toxic: LL/EL/IL50 1-10 mg/l

Aquatic Invertebrates: Toxic: LL/EL/IL50 1-10 mg/l

Algae: Toxic: LL/EL/IL50 1-10 mg/l

Microorganisms: Practically non toxic: LL/EL/IL50 > 100 mg/l

Chronic Toxicity

Fish: NOEC/NOEL expected to be > 0.1 - <= 1.0 mg/l (based on modeled data)

Aquatic Invertebrates: NOEC/NOEL > 0.1 - <=1.0 mg/l (based on test data)

Avoid contaminating the environment with concentrated material. Avoid disposal to natural waterways with concentrated non-neutralized solutions.

13. DISPOSAL CONSIDERATIONS

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. Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Drain container thoroughly. After draining, vent in a safe place away from sparks and fire.

Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

Contact a specialist disposal company or the local waste regulator for advice. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

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14. TRANSPORT INFORMATION

UN Number: 1300

Proper Shipping Name: TURPENTINE SUBSTITUTE

Dangerous Goods Class: 3

Subsidiary risk: None Allocated

Packing Group: III

Hazchem Code: 3Y

Road and Rail Transport: Classified as Dangerous Goods by criteria of the Australian Dangerous Goods Code for transport by road and rail. This product must not be loaded or packed with any oxidising agents.



15. REGULATORY INFORMATION

CLASSIFIED AS HAZARDOUS ACCORDING TO CRITERIA OF NOHSC.

Hazard Classification: HAZARDOUS SUBSTANCE, DANGEROUS GOODS.

Classification of the substance or mixture:

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Poisons Schedule: 5

16. OTHER INFORMATION

This S.D.S. is valid for 5 years from the date of issue but may be withdrawn and revised anytime prior to that date. Please ensure that you are using the latest issue.

All information contained in this Safety Data Sheet is as accurate and up-to-date as possible. Since ADVANCE CHEMICALS cannot anticipate or control the conditions under which this information can be used, each user must review this information in the specific context of the intended application.

ADVANCE CHEMICALS will not be responsible for any damage or loss of any nature resulting from the use of or reliance upon this information. No expressed or implied warranties are given other than those mandated by Commonwealth, State or Territory legislation.

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