

FOR FURTHER INFORMATION, PLEASE REFER TO THE SDS

Issue: September 20

PRODUCT: White Spirit
Other Names: Stoddart solvent
Uses: Industrial solvent: cleaning and degreasing
Signal Word: Warning

UN No.	1300
Dangerous Goods Class	3
Subsidiary Risk	None
Pack Group	III
Hazchem	3Y
Poison Schedule	5

Hazardous Nature:	This product is classified as hazardous under GHS for Australia criteria
Hazardous Classification:	Flammable Liquids: 3; Aspiration Toxicant: 1; Skin Corrosion/Irritation: 2; Chronic Aquatic Toxicant: 2
Hazardous Statement:	Flammable liquid and vapour
Exposure Standards:	TWA: 300 mg/m ³ (52 ppm); STEL: Not specified: consider 450 mg/m ³ (78 ppm)

Physical Characteristics (Typical)		Section 9 of SDS
Appearance	Clear, colourless liquid	
Boiling Point/ Range (°C):	155-200	
Flash Point (°C):	44	
Specific Gravity (@ 15°C):	0.7853	
Chemical Stability:	Stable at room temperature and pressure	

Product Ingredients			Section 3 of SDS
Naphtha (petroleum), hydrodesulfurised heavy	64742-82-1	100%	

For further ingredients information, please refer to the full SDS.

GHS Pictograms				Section 2 of SDS
				

For further Risk and Safety information, please refer to the full SDS.

DEFINITIONS

Dangerous Goods	Products that are classified as Dangerous for Storage and Transport: these products are allocated a UN No., with accompanying Class, Pack Group, and Sub. Risk, if required. Products that do not have a specific description under the code, but have low flash points, or such, must be classified under their most significant risk, eg. Flammable Goods N.O.S. (Not otherwise specified), UN 1993
Poisonous Substance	Products that are classified under the poisons schedule are a poisonous substance. The proportion of the poison in the product will determine its numerical classification.
Hazardous Substance	Products are considered to be Hazardous if they pose an intrinsic risk to human or environmental health, such as mutagens (able to change DNA), teratogens (able to result in birth defects), carcinogens (able to generate cell abnormalities), etc. Materials are not hazardous substances if they pose risks such as potential for misuse, like flammability, or explosions when heated and ignited.

1. IDENTIFICATION

Product Name:	White Spirit
Other Names:	Stoddart solvent
Chemical Family:	Aliphatic, cycloparaffinic, aromatic hydrocarbons
Recommended Use:	Industrial solvent: cleaning and degreasing
Supplier:	Sydney Solvents Pty Ltd
ABN:	51 104 642 695
Street Address:	Unit 3, 10 Production Place, Jamisontown NSW 2750
Telephone:	02 4722 5060
Fax:	
Emergency phone:	CHEMCALL: 1800 605 040
All other inquiries:	02 4722 5060

2. HAZARDS IDENTIFICATION**Hazardous Nature**

This product is classified as hazardous under GHS for Australia criteria

Hazardous Classification

Flammable Liquids: 3; Aspiration Toxicant: 1; Skin Corrosion/Irritation: 2; Chronic Aquatic Toxicant: 2

Hazardous Statement

Flammable liquid and vapour

GHS Pictograms**Hazard Statements**

H226: Flammable liquid and vapour

H304: May be fatal if swallowed and enters airways

H315: Causes skin irritation

H411: Toxic to aquatic life with long lasting effects

AUH066: Repeated exposure may cause skin dryness or cracking

Precautionary Statements

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233: Keep container tightly closed. P240: Ground/bond container and receiving equipment. P241: Use explosion-proof electrical/ventilating/light/.../equipment. P242: Use only non-sparking tools. P243: Take precautionary measures against static discharge.

P264: Wash ... thoroughly after handling.

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

P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P332+313: If skin irritation occurs: Get medical advice/attention.

P370+378: In case of fire: use foam, carbon dioxide, dry earth or sand to extinguish

P403+233: Store in a well ventilated place. Keep container tightly closed. P405: Store locked up

Dangerous Goods Classification 3

Poisons Schedule 5

Signal Word Warning

3. COMPOSITION: Information on Ingredients

Chemical Ingredient	CAS No.	Proportion (%v/v)
Naphtha (petroleum), hydrodesulfurised heavy	64742-82-1	100

4. FIRST AID MEASURES

For advice, contact Poisons Information Centre (Phone Australia: 13 1126) or a doctor.

Ingestion

If swallowed, DO NOT induce vomiting. Keep at rest. Seek immediate medical attention.

Eye Contact

Flush eyes with large amounts of water until irritation subsides. Seek immediate medical attention.

Skin Contact

Flush area with large amounts of water and wash area with soap if available. Remove contaminated clothing, including shoes, and launder before reuse. Seek medical attention for skin irritations.

Inhalation

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Seek immediate medical attention.

First Aid facilities

Provide eye baths and safety showers.

Medical Attention

Treat according to symptoms. Avoid gastric lavage: risk of aspiration of product to the lungs with the potential to cause chemical pneumonitis.

5. FIRE FIGHTING MEASURES

Shut off product that may 'fuel' a fire if safe to do so. Allow trained personnel to attend a fire in progress, providing firefighters with this Safety Data Sheet. Prevent extinguishing media from escaping to drains and waterways.

Suitable extinguishing media

Alcohol foam, carbon dioxide or water spray. Use dry sand or earth to smother fire.

Hazards from combustion products

Carbon dioxide and carbon monoxide

Precautions for fire fighters and special protective equipment

Full protective clothing and self-contained breathing apparatus

Hazchem Code: 3Y

6. ACCIDENTAL RELEASE MEASURES**Emergency Procedures**

Prevent fluid from escaping to drains and waterways. Contain leaking packaging in a containment drum. Prevent vapours from building up in confined areas. Ensure that drain valves are closed at all times. Clean up and report spills immediately.

Methods and materials for containment**Major Land Spill**

- Eliminate sources of ignition.
- Warn occupants of downwind areas of possible fire and explosion hazard.
- Prevent liquid from entering sewers, watercourses, or low-lying areas.
- Keep the public away from the area.

- Shut off the source of the spill if possible and safe to do so.
- Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation.
- Take measures to minimise the effect on the ground water.
- Contain the spilled liquid with sand or earth.
- Recover by pumping – use explosion proof pump or hand pump – or with a suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”

Major Water Spill

- Eliminate any sources of ignition.
- Warn occupants and shipping in downwind areas of possible fire and explosion hazard.
- Notify the port or relevant authority and keep the public away from the area.
- Shut off the source of the spill if possible and safe to do so.
- Confine the spill if possible.
- Remove the product from the surface by skimming or with suitable absorbent material.
- Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
- See “First Aid Measures” and “Stability and Reactivity”.

7. HANDLING AND STORAGE

Precautions for safe handling

This product is flammable. Do not open near open flame, sources of heat or ignition. No smoking. Keep container closed. Handle containers with care. Open slowly to control possible pressure release. Material will accumulate static charge. Use grounding leads to avoid discharge (electrical spark).

Conditions for safe storage

Store in a cool, dry place away from direct sunlight. Do not pressurise, cut, heat or weld containers - residual vapours are flammable. This product is flammable and will fuel a fire in progress.

Incompatible materials

Natural Rubber, Butyl Rubber, EPDM, Polystyrene, combustibles, reducing agents

8. EXPOSURE CONTROLS: PERSONAL PROTECTION

National Exposure Standards

The time weighted average concentration (TWA) for this product is: 300 mg/m³ (52 ppm), which means the highest allowable exposure concentration in an eight-hour day for a five-day working week. The short-term exposure limit (STEL) is: Not specified: consider 450 mg/m³ (78 ppm), which is the maximum allowable exposure concentration at any time. Products may be identified as skin sensitisers, indicated as (Sen), which means that the product will induce ever-increasing adverse effects with subsequent exposure, such as loss of feeling in extremities, or pain or irritation on contact with the product. Where (Sk) appears, the product will be easily absorbed to the skin, risking overexposure and symptoms similar to Ingestion or Inhalation. applies in this case. Refer: Section 11: Toxicological Effects.

Biological limit values

Not available

Engineering Controls: Ventilation

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion-proof ventilation equipment.

Personal Protective Equipment

Respiratory Protection: 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.

Eye Protection: Always use safety glasses or a face shield when handling this product.

Skin/ Body Protection: Always wear long sleeves and long trousers or coveralls, and enclosed footwear or safety boots when handling this product. It is recommended that chemical resistant gloves (e.g. PVC) be worn when handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Unit of measurement	Typical value
Appearance	-	Clear, colourless liquid
Boiling Point/ Range	°C	155-200
Flash Point	°C	44
Specific Gravity @ 15°C	-	0.7853
Vapour Pressure @ 37.8°C	kPa	≤ 240
Explosive Limits (LEL – UEL)	%	0.7 – 6.5
Vapour Density @ 20°C	kPa	> 1.00
Autoignition Temperature @ 101.325 kPa	°C	280-470
Viscosity @ 37.8°C	mm ² /s	1
Percent Volatiles	%	100
Solubility with Water	% w/w	Negligible

The values listed are indicative of this product's physical and chemical properties. For a full product specification, please consult the Product Data Sheet.

10. STABILITY AND REACTIVITY**Chemical Stability**

Stable at room temperature and pressure

Conditions to avoid

Sources of heat and ignition, open flames.

Hazardous decomposition products

Carbon monoxide, carbon dioxide and organic complexes on incomplete burning or oxidation

Hazardous reactions

Oxidizing agents, mineral acids, halogenated organic compounds and peroxides

Hazardous Polymerisation

Will not occur

11. TOXICOLOGICAL INFORMATION**Acute Effects*****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.

Eye Contact

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

Skin Contact

This product is irritating to the skin with prolonged exposure. It may result in dryness and cracking.

Inhalation

This product is irritating to the respiratory tract. Exposure to large concentrations over an extended period of time will result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations, and possible loss of consciousness.

Chronic Effects

This product contains < 0.1% ethylbenzene. IARC has evaluated ethylbenzene and classified it as a "possible human carcinogen" (Group 2B) based on sufficient evidence for cancer in exposed humans. As an exposure risk to known carcinogens, this product does not represent a significant hazard.

Other Health Effects Information

Individuals with pre-existing skin or respiratory complaints may be sensitive to this product and avoid unnecessary exposure.

Toxicological Information

Oral LD₅₀: > 5000 mg/kg (rat); Dermal: > 2000 mg/kg (rat)

Inhalation: LC₅₀ > 7.63 mg/L/4hr (rat)

12. ECOLOGICAL INFORMATION**Ecotoxicity****Aquatic Toxicity**

Fish Toxicity (rainbow trout, goldfish, bluegill): LL₅₀: 8.2 mg/L (Pimephale promelas)

Daphnia Magna EC₅₀ (24 hr): EL₅₀: 4.5 mg/L

Blue-green algae (Toxicity threshold 7-8 days): No data available

Green algae (Toxicity threshold 7-8 days): 3.1 mg/L

Persistence/ degradability

77% biodegradation with low bioaccumulation.

Mobility

This product is absorbed by soils, and likely to contaminate ground water and surrounding environment.

13. 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. Ensure that empty packaging is allowed to dry.

Special Precautions for Landfill or Incineration

This product is NOT suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product must be disposed as chemical waste in accordance with the local authority.

14. TRANSPORT INFORMATION

Road and Rail Transport		Marine Transport		Air Transport	
UN No.	1300	UN No.	1300	UN No.	1300
Proper Shipping Name	Turpentine Substitute	Proper Shipping Name	Turpentine Substitute	Proper Shipping Name	Turpentine Substitute
DG Class	3	DG Class	3	DG Class	3
Sub. Risk	None	Sub. Risk	None	Sub. Risk	None
Pack Group	III	Pack Group	III	Pack Group	III
Hazchem	3Y	Hazchem	3Y	Hazchem	3Y

Dangerous Goods Segregation

This product is classed as Dangerous Goods Class 3, packing group III. Please consult the Australian Dangerous Goods Code for Transport by Road and Rail for information.

15. REGULATORY INFORMATION

Country/ Region: Australia

Inventory: AICS

Status: Listed

Poisons Schedule: 5

16. OTHER INFORMATION

Reasons for Issue: Page 1: pictogram corrected

Abbreviations:

AICS: Australian Inventory of Chemical Substances

CAS Number: Chemical Abstracts Number

IARC: International Agency for Research on Cancer

NOHSC: National Occupational Health and Safety Council

References:

- Supplier Safety Data Sheets
- <http://chem.sis.nlm.nih.gov/chemidplus> (September 20)
- <https://www.nicnas.gov.au/> (September 20)
- OECD eChemPortal Substance Search
<https://www.echemportal.org/echemportal/participant/page.action?pageID=9>

The information sourced for the preparation of this document was correct and complete at the time of writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses, but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product. For further information, please contact Australasian Solvents and Chemicals Company Pty. Ltd.