

Aitken Freeman Pty Ltd
Factory 7, 7-9 Brough St, Springvale VIC 3171
PO Box 548, Noble Park VIC 3174
Phone: (03) 9701 3955 Fax: (03) 9701 3956
Internet: www.aitkenfreeman.com
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Safety Data Sheet

1. Product Name: Silax
Classified as Hazardous

Identification

Company Name Aitken Freeman Pty Ltd
Address Unit 7, 7 – 9 Brough St. Springvale Vic 3171
Contact: Ph. (03) 9701 3955 Fx. (03) 9701 3956

2. Hazard Identification:

Statement of hazardous nature: Classified as Hazardous according to the Approved Criteria For Classifying Hazardous Substances[NOHSC:1008] 3rd Edition
Silax is classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Signal Word	Hazard
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs (Central nervous system, Liver, Kidney) through prolonged or repeated exposure if inhaled.
H411	Toxic to aquatic life with long lasting effects.

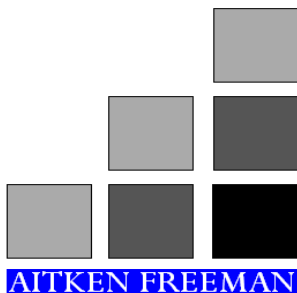
Precautionary statement(s)

Prevention

P102	Keep out of reach of children.
P103	Read label before use.
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 and all other 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 hands, face and all exposed skin thoroughly after handling.
P280	Wear protective gloves/ eye protection/ face protection.

Response

P101	If medical advice is needed, have product container or label at hand.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.



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P314 Get medical advice/ attention if you feel unwell.
 P331 Do NOT induce vomiting.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
Storage
 P403 + P233 Store in a well-ventilated place. Keep container tightly closed
Disposal
 P501 Dispose of contents/container in accordance with local, regional, national and international regulations.
Poison Schedule: S5. Caution.

Pictogram(s) Exclamation mark, Environmental, Health Hazard, and Flammable



3. Composition / information on ingredients

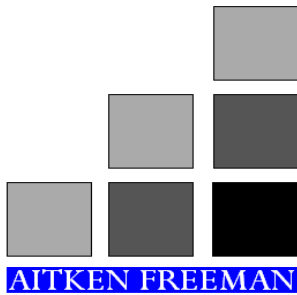
Ingredients Name	CAS	Proportion
Naphtha (petroleum), hydrodesulfurised heavy	64742-82-1	70-95%
1,2,4 – Trimethyl benzene	95-63-6	1 - 10%
1,3,5 – Trimethyl benzene	108-67-8	0.5 - 5%
Methanol	67-56-1	< 1%
Diocetyl tin dilaurate	3648-18-8	< 0.2%
Ethylbenzene	100-41-4	≤ 0.1%

The product contains the following substances of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 57) in amounts ≥ 0.1%.

Diocetyl tin dilaurate	3648-18-8	<0.2%
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4. First Aid Measures

Inhalation If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.
Ingestion Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.
Skin Wash affected area thoroughly with soap and water. Remove contaminated



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Eye contact clothing and wash before re-use or discard. Seek medical attention.
If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.

First Aid Facilities Eye wash, safety shower and normal washroom facilities.

Advice to Doctor Treat symptomatically.

Other information For advice in an emergency, contact a Poisons Information Centre, 13 11 26, or a doctor at once.

5. Fire fighting measures

Suitable Extinguishing media Use carbon dioxide, dry chemical, foam or water mist.

Unsuitable Extinguishing media DO NOT use water jets.

Hazards from Combustion Products Under fire conditions this product may emit toxic/irritating fumes including carbon monoxide and carbon dioxide.

Specific Hazards arising from the ingredients Combustible liquid. This product will readily burn under fire conditions.

Hazchem Code 3[Y]

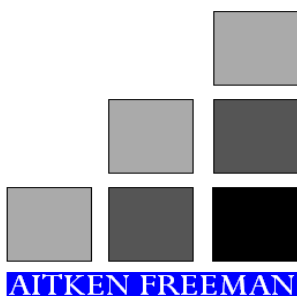
Precautions in connection with fire Fire fighters should wear full protective clothing and self contained breathing apparatus operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. Accidental Release Measures

Emergency Procedures Wear appropriate personal protective equipment and clothing to prevent exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Place inert absorbent, non-combustible material on to spillage. Use clean non sparking tools to collect the material and place into suitable labelled containers for subsequent recycling or disposal. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs, inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for safe Handling Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation



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Conditions for safe storage, including any Incompatibilities

of vapours and mists, and skin or eye contact. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contain hazardous residues. Maintain high standards of personal hygiene. ie. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Store in a cool, dry, well ventilated area away from heat, sources of ignition, oxidising agents, food stuffs, and clothing, and out of direct sunlight.

Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Do not pressurise, cut, heat, or weld containers as they may contain hazardous residues. For information on the design of the store room, reference should be made to Australian Standard AS1940 – The storage of flammable and combustible liquids. Reference should also be made to all state and federal regulations.

8. Exposure Controls - Occupational exposure limit values

**** Australia Workplace Exposure Standards for Airborne Contaminants.**

Component	CAS No	Value	Control parameters	Basis
White Spirit	64742-82-1	STEL		A.W.E.S.A.C.**
		TWA	790 mg/m ³	A.W.E.S.A.C.**
Methanol	67-56-1	STEL	328 mg/m ³	A.W.E.S.A.C.**
		TWA	262 mg/m ³	A.W.E.S.A.C.**
Tin compounds (organic)		STEL	0.2 mg/m ³	A.W.E.S.A.C.**
		TWA	0.1 mg/m ³	A.W.E.S.A.C.**
Ethylbenzene	100-41-4	STEL	543 mg/m ³	A.W.E.S.A.C.**
		TWA	434 mg/m ³	A.W.E.S.A.C.**

Other material ingredients have no listed OELS under the national standards.

Exposure Controls

Appropriate engineering controls

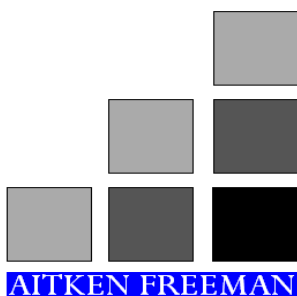
Use with good ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

Respiratory protection

If engineering controls are not effective in controlling airbourne exposure then an approved respirator with a replaceable organic vapour filter should be used. Reference should be made to Australian standards AS 1715, Selection, Use, and Maintenance of Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian Standard AS 1337 – Eye Protectors for Industrial Applications.



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Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary with individual circumstances ie methods of handling or according to risk assessments undertaken. Reference should be made to AS2161.1 Occupational protective gloves – Selection, Use, and Maintenance.

Body Protection

Suitable protective work wear, EG Cotton overalls buttoned at the neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and Chemical Properties

Form:	Clear flammable liquid with an aromatic hydrocarbon odour, does not mix with water.
Solubility:	Not miscible with water. Floats on water
Specific Gravity (20°C):	0.77 – 0.80
Relative Vapour Density (air=1):	Not available
Vapour Pressure (kPa @ 20°C):	Not available
Flash Point (°C):	42°C – (ABEL)
Flammability Limits (%):	Upper Explosion Limit 6.5%. Lower Explosion Limit 0.7% v/v
Autoignition Temperature (°C):	Not available
% Volatile by Volume:	Not Applicable
Melting Point/Range (°C):	Not applicable
Boiling Point/Range (°C):	162 - 192° C
pH:	Not available
Viscosity:	Not Applicable

10 Stability and Reactivity

Reactivity:

Reacts with strong oxidising agents.

Chemical stability:

Stable under normal conditions of use.

Possibility of hazardous reactions:

May react violently with strong oxidising agents . Hazardous polymerisation will not occur.

Conditions to avoid:

Avoid exposure to heat, sources of ignition, and open flame. Keep away from incompatible materials.

Incompatible materials:

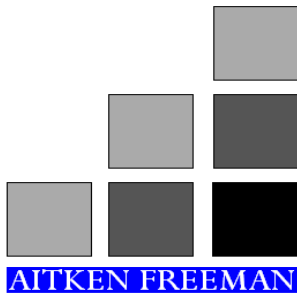
Incompatible with strong oxidising agents.

Hazardous decomposition products:

None

11 Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and



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the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

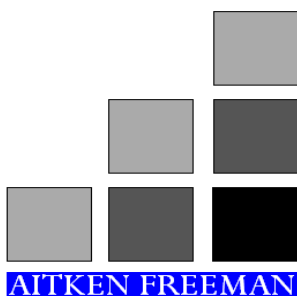
Inhaled	Breathing in vapour may produce respiratory irritation. Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness.
Ingestion	Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung).
Skin Contact	Contact with skin will result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis
Eye	May be an eye irritant.
Chronic	Available evidence from animal studies indicate that repeated or prolonged exposure to this material could result in effects on the central nervous system.
Toxicity	No mutagenic effect. This material has been classified by the International Agency for Research on Cancer (IARC) as a Group 3 agent. Group 3 - The agent is not classifiable as to its carcinogenicity to humans. Mixed xylenes contain ethylbenzene, which has shown limited evidence of a carcinogenic effect.

12 Ecological Information

Ecotoxicity	Avoid contaminating waterways.
Persistence/degradability:	This product is readily biodegradable.
Bioaccumulative potential:	This product shows a low bioaccumulation potential.
Mobility in soil:	No information available.
96hr LC50 (fish):	1-<=10 mg/L96hr
EC50 (algae):	1-<=10 mg/L

13 Disposal Considerations

Product / Packaging	Containers may still present a chemical hazard/ danger when empty.
Disposal	Legislation addressing waste disposal requirements may differ by state and/ or territory. Each user must refer to laws operating in their area. This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.



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DO NOT allow wash water from cleaning or process equipment to enter drains.

It may be necessary to collect all wash water for treatment before disposal.

In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first.

Where in doubt contact the responsible authority.

Recycle wherever possible or consult manufacturer for recycling options.

Consult State Land Waste Authority for disposal.

Bury or incinerate residue at an approved site.

Recycle containers if possible, or dispose of in an authorised landfill.

14 Transport Information

Labels Required



Land Transport

UN No.	1866
Proper Shipping Name	RESIN SOLUTION, flammable (contains naphtha petroleum, light aromatic solvent and xylene)
Transport Hazard Class	3 Flammable Liquid
Packing Group	III
Hazchem	3Y

15 Regulatory Information

This material is hazardous according to Safe Work Australia; HAZARDOUS CHEMICAL.

Classification of the chemical:

Flammable liquids - Category 3

Acute Dermal Toxicity - Category 4

Acute Inhalation Toxicity - Category 4

Skin Irritation - Category 2

Specific target organ toxicity (single exposure) - Category 3

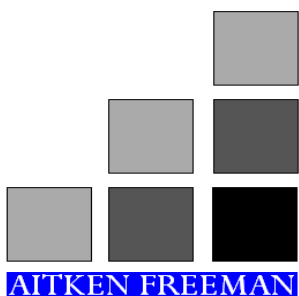
Hazard Statement(s):

H226 Flammable liquid and vapour.

H312+H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

H335 May cause respiratory irritation.



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Poisons Schedule (SUSMP):S5 Poison

16 Other Information

Classification of the preparation and its individual components has drawn on official and authoritative sources using available literature references.

Revision date 22nd October 2024