

## Safety Data Sheet

### ADESILEX LP

Safety Data Sheet dated: 4/24/2019 - version 1



## Section 1. Identification of the substance and supplier

### Product identifier

Mixture identification:

Trade name: ADESILEX LP

Trade code: 900501

### Recommended use of the chemical and restrictions on use

Recommended use: Synthetic polymer based adhesive in organic solvents

Uses advised against: Data not available

### Supplier's details

Company: MBP (NZ) Ltd. - 88 Carbine Road, Mount Wellington, Auckland 1060, New Zealand Email: enquiries@MBPLtd.co.nz

Website: www.MBPLtd.co.nz - Phone: +64 9 921 1994 (Mon-Fri 9am-5pm) - Fax: +64 9 921 1993

### Emergency phone number

New Zealand Poisons Centre: Ph: 0800 764 766

## Section 2. Hazards identification

### HSNO hazard classification

Classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2017.

### HSNO classification:

3.1B	H225 - Highly flammable liquid and vapour.
6.3A	H315 - Causes skin irritation.
6.4A	H319 - Causes serious eye irritation.
6.5B	H317 - May cause an allergic skin reaction.
6.9B (narcotic effects)	H336 - May cause drowsiness or dizziness.
9.1A	H400 - Very toxic to aquatic life.
9.1A	H410 - Very toxic to aquatic life with long lasting effects.

### Hazard information

#### Pictograms and Signal Words



Danger

### Hazard statements:

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Precautionary statements:

P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
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.
P261	Avoid breathing mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P321	Specific treatment (see supplementary instructions on this label).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P370+P378	In case of fire: Use a foam fire extinguisher for extinction.
P391	Collect spillage.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with applicable regulations.

**Other hazards which do not result in a classification**

No other hazards

**Section 3. Composition/information on ingredients**

**Substances**

N.A.

**Mixtures**

Mixture identification: ADESILEX LP

**Hazardous components within the meaning of HSNO Act and related classification**

Quantity	Name	Ident. Numb.	Classification
≥25 - <50 %	ethyl acetate	CAS:141-78-6 EC:205-500-4 Index:607-022-00-5	3.1B, H225; 6.4A, H319; 6.9B (narcotic effects), H336
≥25 - <50 %	cyclohexane	CAS:110-82-7 EC:203-806-2 Index:601-017-00-1	3.1B, H225; 6.1E (aspiration), H304; 6.3A, H315; 6.9B (narcotic effects), H336; 9.1A, H400; 9.1A, H410
≥5 - <10 %	Naphtha (petroleum), hydrodesulfurized light, dearomatized; Low boiling point naphtha - unspecified	CAS:92045-53-9 EC:295-434-2 Index:649-383-00-1	3.1B, H225; 6.3A, H315; 6.1E (aspiration), H304; 6.9B (narcotic effects), H336; 9.1B, H411
≥2.5 - <5 %	hydrocarbones, C6, isoalkanes, <5% n-hexane(*)	CAS:64742-49-0 EC:931-254-9	3.1B, H225; 6.9B (narcotic effects), H336; 6.3A, H315; 6.1E (aspiration), H304; 9.1B, H411
≥0.1 - <0.25 %	rosin; colophony	CAS:8050-09-7 EC:232-475-7 Index:650-015-00-7	6.5B, H317

**Section 4. First aid measures**

**Description of necessary first aid measures**

In case of skin contact:

- Immediately take off all contaminated clothing.
- Remove contaminated clothing immediately and dispose of safely.
- After contact with skin, wash immediately with soap and plenty of water.

In case of eyes contact:

- After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.
- Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the SDS and the hazard label.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

**Indication of immediate medical attention and special treatment needed, if necessary**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Most important symptoms/effects, acute and delayed**

Eye irritation

Eye damages

Skin Irritation

Erythema

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**Section 5. Fire-fighting measures**

**Extinguishing media**

Suitable extinguishing media:

In case of fire: Use a foam fire extinguisher for extinction.

Unsuitable extinguishing media:

None in particular.

**Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: N.A.

Explosive properties: N.A.

Oxidizing properties: N.A.

**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

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**Section 6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

**Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

**Methods and materials for containment and cleaning up**

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

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**Section 7. Handling and storage**

**Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not use on extensive surface areas in premises where there are occupants.

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

**Conditions for safe storage, including any incompatibilities**

Always keep in a well ventilated place.

Store at below 20 °C. Keep away from unguarded flame and heat sources. Avoid direct exposure to sunlight.

Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.

Avoid accumulating electrostatic charge.

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Cool and adequately ventilated.  
Safety electric system.

**Section 8. Exposure controls/personal protection**  
**Workplace Exposure Standards**

**List of components with OEL value**

Component	OEL Type	Country	Ceiling	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Behaviour	Note
ethyl acetate	NZL	NEW ZEALAND		720	200				
cyclohexane	NZL	NEW ZEALAND		350	100	1050	300		

**Predicted No Effect Concentration (PNEC) values**

Component	CAS-No.	PNEC LIMIT	Exposure Route	Exposure Frequency	Remark
ethyl acetate	141-78-6	0,26 mg/l	Fresh Water		PNEC
		0,026 mg/l	Marine water		PNEC
		1,65 mg/l	Intermittent release		PNEC
		1,25 mg/kg	Freshwater sediments		PNEC
		0,125 mg/kg	Marine water sediments		PNEC
		0,24 mg/kg	Soil		PNEC
		200 mg/kg	Oral		PNEC
cyclohexane	110-82-7	0,207 mg/l	Marine water		
		3,627 mg/kg	Freshwater sediments		
		3,627 mg/kg	Marine water sediments		
		0,207 mg/l	Fresh Water		

**Derived No Effect Level. (DNEL)**

Component	CAS-No.	Worker Industrial	Worker Professional	Consumer	Exposure Route	Exposure Frequency	Remark
ethyl acetate	141-78-6		1468 mg/m3		Human Inhalation	Short Term, systemic effects	DNEL
				4,5 mg/kg	Human Oral	Long Term, systemic effects	DNEL
				367 mg/m3	Human Inhalation	Long Term, local effects	DNEL
				1468 mg/m3	Human Inhalation	Short Term, local effects	DNEL
				63 mg/kg	Human Dermal	Long Term, systemic effects	DNEL
				734 mg/m3	Human Inhalation	Long Term, systemic effects	DNEL
		734 mg/m3	Human Inhalation	Long Term, local effects	DNEL		

		734 mg/m3	Human Inhalation	Short Term, systemic effects	DNEL
		734 mg/m3	Human Inhalation	Short Term, local effects	DNEL
		37 mg/kg	Human Dermal	Long Term, systemic effects	DNEL
		367 mg/m3	Human Inhalation	Long Term, systemic effects	DNEL
cyclohexane	110-82-7	700 mg/m3	Human Inhalation	Short Term, systemic effects	
		2016 mg/kg	Human Dermal	Long Term, systemic effects	
		700 mg/m3	Human Inhalation	Long Term, systemic effects	
		412 mg/m3	Human Inhalation	Short Term, systemic effects	
		1186 mg/kg	Human Dermal	Long Term, systemic effects	
		206 mg/m3	Human Inhalation	Long Term, systemic effects	
		59,4 mg/kg	Human Oral	Long Term, systemic effects	

### Engineering Controls

N.A.

### Personal Protective Equipment (PPE)

Eye protection:

Use close fitting safety goggles, don't use eye lens.

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

N.A.

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## Section 9. Physical and chemical properties

Physical state: Liquid

Appearance and colour: liquid yellow

Odour: characteristic

Odour threshold: N.A.

pH: N.A.

Melting point / freezing point: N.A.

Initial boiling point and boiling range: 63 °C (145 °F)

Flash point: -20 °C (-4 °F)

Flammability (Solid, Gas): N.A.

Upper/lower flammability or explosive limits: N.A.

Vapour pressure: 22.70

Vapour density: ==

Relative density: 0.90 g/cm3

Solubility in water: Insoluble

Solubility in oil: Soluble

Partition coefficient (n-octanol/water): N.A.

Auto-ignition temperature: N.A.

Decomposition temperature: N.A.

Kinematic viscosity: N.A.

Particle characteristics: No Data Available

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## Section 10. Stability and reactivity

### Reactivity

It may generate dangerous reactions (See subsections below)

### Chemical stability

It may generate dangerous reactions (See subsections below)

### Possibility of hazardous reactions

None.

### Conditions to avoid

Avoid accumulating electrostatic charge.

### Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

### Hazardous decomposition products

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## Section 11. Toxicological information

### Information on toxicological effects

#### Toxicological information of the mixture:

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

ethyl acetate	a) acute toxicity	LC50 Inhalation Rat = 1600 mg/l LD50 Oral Rabbit = 4935 mg/kg LD50 Oral Rat = 11,3 g/kg LD50 Skin Rabbit > 20000 mg/kg LD50 Oral Mouse = 4100 mg/kg LD50 Skin Rabbit > 18000 mg/kg LC50 Inhalation Rat = 4000 ppm 4h LD50 Oral Rat = 5620 mg/kg
cyclohexane	a) acute toxicity	LC50 Inhalation Rat > 32880 mg/m <sup>3</sup> 4h LD50 Oral Rat > 5000 mg/kg LD50 Skin Rabbit > 2000 mg/kg LD50 Skin Rabbit > 2000 mg/kg LC50 Inhalation Rat > 9500 ppm 4h LD50 Oral Rat = 12705 mg/kg
rosin; colophony	a) acute toxicity	LD50 Oral Rat = 7600 mg/kg LD50 Skin Rabbit > 2500 mg/kg LC50 Inhalation Rat = 1,5 mg/l 4h

**If not differently specified, the information required in the regulation and listed below must be considered as N.A.**

- a) acute toxicity
- b) skin corrosion/irritation
- c) serious eye damage/irritation
- d) respiratory or skin sensitisation
- e) germ cell mutagenicity
- f) carcinogenicity
- g) reproductive toxicity
- h) STOT-single exposure
- i) STOT-repeated exposure
- j) aspiration hazard

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## Section 12. Ecological information

### Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

**List of components with eco-toxicological properties**

Quantity	Component	Ident. Numb.	Ecotox Infos
>=25 - <50 %	ethyl acetate	CAS: 141-78-6 - EINECS: 205-500-4 - INDEX: 607-022-00-5	a) Aquatic acute toxicity : EC50 Daphnia = 260 mg/L 48  a) Aquatic acute toxicity : LC50 Algae = 3300 mg/L 48 a) Aquatic acute toxicity : LC50 Fish = 230 mg/L 96 b) Aquatic chronic toxicity : LC50 Algae = 5600 mg/L 48 a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 220 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss = 484 mg/L 96h IUCLID  a) Aquatic acute toxicity : LC50 Fish Oncorhynchus mykiss 352 mg/L 96h EPA  a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna = 560 mg/L 48h EPA
>=25 - <50 %	cyclohexane	CAS: 110-82-7 - EINECS: 203-806-2 - INDEX: 601-017-00-1	a) Aquatic acute toxicity : EC50 Daphnia = 0,9 mg/L 48  a) Aquatic acute toxicity : LC50 Fish = 4,53 mg/L 96 a) Aquatic acute toxicity : EC50 Algae = 3,4 mg/L 72 a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 3,96 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Pimephales promelas 23,03 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Lepomis macrochirus 24,99 mg/L 96h EPA  a) Aquatic acute toxicity : LC50 Fish Poecilia reticulata 48,87 mg/L 96h EPA  a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus > 500 mg/L 72h IUCLID
>=0.1 - <0.25 %	rosin; colophony	CAS: 8050-09-7 - EINECS: 232-475-7 - INDEX: 650-015-00-7	a) Aquatic acute toxicity : EC50 Algae Desmodesmus subspicatus = 400 mg/L 72h IUCLID  a) Aquatic acute toxicity : EC50 Daphnia Daphnia magna 3,8 mg/L 48h IUCLID

**Persistence and degradability**

N.A.

**Bioaccumulative potential**

N.A.

**Mobility in soil**

N.A.

**Other adverse effects**

N.A.

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**Section 13. Disposal considerations**

**Disposal methods**

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

**Special precautions to be taken during disposal**

No Data Available

## Section 14. Transport information

### UN number

1133

### UN proper shipping name

NZS-Shipping Name: ADHESIVES containing flammable liquid

ADR-Shipping Name: ADHESIVES

IATA-Technical name: ADHESIVES containing flammable liquid

IMDG-Technical name: ADHESIVES containing flammable liquid

### Transport hazard class(es)

NZS-Class: 3

ADR-Class: 3

IATA-Class: 3

IMDG-Class: 3

### Packing group, if applicable

NZS-Packing Group: II

ADR-Packing Group: II

IATA-Packing group: II

IMDG-Packing group: II

### Environmental hazards

Toxic ingredients quantity: 0.00

Very toxic ingredients quantity: 0.00

Marine pollutant: Yes

Environmental Pollutant: Yes

### Special precautions for user

NZS-Subsidiary risks: -

NZS-Special Dispositions: -

### Road and Rail (ADR-RID):

ADR exempt: No

ADR-Label: 3

ADR-Hazard identification number: NA

ADR-Special Provisions: 640C

ADR-Transport category (Tunnel restriction code): D/E

### Air (IATA):

IATA-Passenger Aircraft: 353

IATA-Cargo Aircraft: 364

IATA-Label: 3

IATA-Subrisk: -

IATA-Erg: 3L

IATA-Special Provisions: A3

### Sea (IMDG):

IMDG-Stowage Code: Category B

IMDG-Stowage Note: -

IMDG-Subrisk: -

IMDG-Special Provisions: -

IMDG-EMS: F-E, S-D

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## Section 15. Regulatory information

### HSNO Approval

HSNO approval number and group standard title:

HSR002662 - Surface Coatings and Colourants (Flammable) Group Standard 2006

### HSNO Controls

#### Certified Handler

No Data Available

### New Zealand Inventory of Chemicals (NZIoC)

All components are listed on the NZIoC Inventory.



## Regulatory references

Preparation of Safety Data Sheets - Approved Code of Practice Under the HSNO Act 1996 (HSNO CoP 8-1 09-06).  
Hazardous Substances (Classification) Regulations 2001.  
Labelling of Hazardous Substances: Hazard and Precautionary Information (January 2012 EPA0094).  
Assigning a Product to a HSNO Approval (May 2013/Revised June 2014).

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## Section 16. Other information

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Code	Description
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

### Description of the HSNO Classification codes used in section 2 or 3:

Code	Description
3.1B	Flammable liquid - high hazard.
6.1E (aspiration)	Aspiration hazard.
6.3A	Substances that are irritating to the skin.
6.4A	Substances that are irritating to the eye.
6.5B	Substances that are contact sensitisers.
6.9B (narcotic effects)	Narcotic effects.
9.1A	Substances that are very ecotoxic in the aquatic environment.
9.1B	Substances that are ecotoxic in the aquatic environment.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This SDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

CLP: Classification, Labeling, Packaging.

EINECS: European Inventory of Existing Commercial Chemical Substances.

INCI: International Nomenclature of Cosmetic Ingredients.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

GefStoffVO: Ordinance on Hazardous Substances, Germany.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

DNEL: Derived No Effect Level.

PNEC: Predicted No Effect Concentration.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

WGK: German Water Hazard Class.

KSt: Explosion coefficient.

HSNO: Hazardous Substances and New Organisms Act 1996.