Safety Data Sheet

Product Name: **LB9**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS Product Identifier	LB9
Company Name	CEMENTAID (VIC) PTY LTD (ABN 18 004 518 889)
Address	15 Clarice Rd, Box Hill South, Victoria 3128 Australia
Telephone/Fax Number	
Tel:	+61 3 9890 0487
Fax:	+61 3 9890 6223
Emergency Telephone	1800 638 556 (24hr)

Recommended use of the chemical and restrictions on use
Sealer for Concrete and Masonry

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture
Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Acute Toxicity – Dermal: Category 4
Acute Toxicity – Inhalation: Category 4
Flammable Liquids: Category 3
Skin Corrosion/Irritation: Category 2
STOT Single Exposure: Category 3 (respiratory tract irritation)

Signal Word (s)
WARNING

Hazard Statement (s)
H226 Flammable liquid and vapour
H312 Harmful in contact with skin
H315 Causes skin irritation
H332 Harmful if inhaled
H335 May cause respiratory irritation

Pictogram (s)
Flame, Exclamation mark

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Precautionary statement – Prevention

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
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P264 Wash contaminated skin thoroughly after handling
P271 Use only outdoors in a well-ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary statement – Response

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340 IF INHHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P312 Call a POISON CENTRE (eg Australia Phone 131 126) 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
P370+P378 In case of fire: Use carbon dioxide, dry chemical or foam for extinction

Precautionary statement – Storage

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

Precautionary statement – Disposal

P501 Dispose of contents/container to an approved wasted disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Xylene	1330-20-7	50-70%
Ingredients determined not to be hazardous		Balance

4. FIRST AID MEASURES

Inhalation If inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion Do NOT induce vomiting. Wash out mouth and lips with water. Seek immediate medical attention.

Skin Remove contaminated clothing. Wash affected area thoroughly with soap and water. Wash contaminated clothing before reuse or discard. Seek medical attention.

Eye Contact If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. If symptoms develop, 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 (Phone eg Australia 131 126) or doctor at once.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use carbon dioxide, dry chemical or foam. Alcohol resistant foam is preferred. If not available normal foam can be used
Unsuitable Extinguishing Media	Do not use water jet.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide carbon dioxide.
Specific Hazards Arising from the Chemical	Flammable liquid. Keep storage tanks, pipelines, fire-exposed surfaces etc cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create a fire hazard. Heating can cause expansion or decomposition leading to violent rupture of containers.
Hazchem Code	•3Y
Precautions in connection with Fire	Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode. Use water spray to cool storage containers and tanks, pipelines and fire exposed surfaces.

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. Evacuate all unprotected personnel. If possible contain the spill. Place inert, absorbent, non-combustible material onto 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	Avoid contact with skin and eyes. Wear overalls, impervious gloves and safety glasses. Use in designated areas with adequate ventilation. Use approved flammable liquid storage containers in the work area. Prevent release of vapours and mists into workplace air. Keep containers closed when not in use. Take precautionary measures against static discharges. Keep material away from sparks, flames and other ignition sources. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.
Conditions for Safe Storage	Store in a cool, dry, well-ventilated area away from sources of ignition, oxidising agents, incompatibles, foodstuffs, and clothing. 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. Take precautions against static electricity discharges. Use proper grounding procedures. For information on the design of the storeroom, reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all applicable local and national regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit Values No exposure standards have been established for this material. However, the available exposure limits for ingredients are listed below**:**

	TWA:	**STEL:**
Xylene	80ppm, 350mg/ m^3	150ppm, 655mg/ m^3

TWA	Time Weighted Average: The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.
STEL	Short Term Exposure Limit: The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values

Name: Xylene
Determinant: Methylhippuric acids
Specimen: Creatinine in urine
Value: 1.5g/g
Sampling time: End of Shift

Source: American Conference of Industrial Hygienists (ACGIH)

Appropriate Engineering Controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 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 organic vapour filter should be used. Reference should be made to Australian/New Zealand 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 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/New Zealand Standard AS/NZS 1337 - 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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	**Appearance**	Colourless liquid (May be coloured with inert pigments)
Colour	Colourless (May be coloured using inert pigments)	**Odour**	Not available
Melting Point	Not applicable	**Boiling Point**	138-144°C
Solubility in Water	Not available	**Specific Gravity**	0.9
pH	Not available	**Vapour Pressure**	7.99 MMHg (25°C) (Xylene)
Vapour Density (Air=1)	Not available	**Evaporation Rate**	Not available
Coefficient Water/Oil Distr.	Not available	**Viscosity**	Not available
Volatile Component	75%v/v	**Flash Point**	24°C (Closed Cup)
Flammability	Flammable liquid	**Auto-Ignition Temperature**	Not available
Flammable Limits -Lower	0.6%v/v	**Flammable Limits - Upper**	7%v/v
Explosion Properties	Not available	**Oxidising Properties**	Not available

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions of storage and handling

Reactivity and Stability

Reacts with incompatible materials

Conditions to Avoid

Heat, open flames and other sources of ignition

Incompatible Materials

Strong oxidising agents

Hazardous Decomposition Products

Thermal decomposition may result in release of toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and oxides of nitrogen

Possibility of hazardous reactions

Reacts with incompatible materials

Hazardous Polymerization

Will not occur

11. TOXOLOGICAL INFORMATION

Toxicology Information	No toxicity data available for this material
Acute Toxicity – Oral	For Xylene – LD50 (rat): 4,300 mg/kg
Acute Toxicity – Inhalation	For Xylene – LC50 (rat): 5,000 ppm/4h
Acute Toxicity – Dermal	For Xylene – LD50 (rabbit): >1,700 mg/kg

Ingestion	May irritate the gastric tract causing nausea and vomiting
Inhalation	Harmful if inhaled. May cause respiratory irritation. Inhalation of product vapours can cause irritation of the nose, throat and respiratory system
Skin	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	May cause irritation to eyes. Symptoms may include redness, tearing, stinging and swelling
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	Not considered to be a carcinogenic hazard

Xylene is listed as a Group3: Not classifiable as to carcinogenicity to humans according to International Agency for Research on Cancer (IARC).

Reproductive Toxicity	Not considered to be toxic to reproduction
STOT-single exposure	May cause respiratory irritation
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ
Aspiration Hazard	Not expected to be an aspiration hazard
Chronic Effects	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged or repeated exposure may also damage liver, kidneys and central nervous system. Can cause headache, excitement, dizziness, drowsiness and nausea

12. ECOLOGICAL INFORMATION

Ecotoxicity	No ecological data available for this material
Persistence & Degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Other Adverse Effects	Not available
Environ. Protection	Do not allow product to enter drains, waterways or sewers

13. DISPOSAL CONSIDERATIONS

Disposal considerations	Disposal of spilled or waste material must be carried out in accordance with the relevant local and national government regulations. Advise flammable nature. Empty containers may contain flammable residues. Do not puncture, cut or weld empty containers.

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14. TRANSPORT INFORMATION

Transport Information

This material is classified as a Dangerous Goods Class 3 -Flammable Liquid according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
Class 3 Flammable Liquids are incompatible in a placard load with any of the following:
- Class 1, Explosives
- Division 2.1, Flammable Gases (Division 2.1 and Class 3 are incompatible in transport if both are in tanks or other receptacles with a capacity individually exceeding 500L)
- Division 2.3, Toxic Gases
- Division 4.2, Spontaneously Combustible Substances
- Division 5.1, Oxidising substances and Division 5.2 Organic Peroxides
- Class 6, Toxic and Infectious Substances (where the flammable liquid is nitromethane)
- Class 7, Radioactive Substances

Marine Transport (IMO/IMDG)
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea

U.N. Number	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. - (CONTAINS: XYLENE)
Class	3
Packing Group	III
EMS NO.:	F-E, S-E
Special Provision:	223,274,955

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) a Dangerous Goods Regulations for transport by air.

U.N. Number	1993
Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. - (CONTAINS: XYLENE)
Class	3
Packing Group	III
Packaging Instructions (passenger & Cargo	355
Packaging Instructions (cargo only)	366
Hazard Label	Flammable Liquid
Special Provision	A3

U.N. Number	1993
UN proper shipping name	FLAMMABLE LIQUID, N.O.S. - (CONTAINS: XYLENE)
Transport hazard class(es)	3
Packaging Group	111
Hazchem Code	•3Y
Special Precautions for User	Not available
IERG Number	14
IMDG Marine Pollutant	No
Transport in Bulk	Not available

15. REGULATORY INFORMATION

Regulatory Information
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Poisons Schedule	S6
Australia (AICS)	The listed chemicals are included in Australian Inventory of Chemical Substances (AICS) or otherwise notified under NICNAS

16. OTHER INFORMATION

Date of preparation or last revision of SDS	SDS Created: February 2022
References	Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons Australian Code for the Transport of Dangerous Goods by Road & Rail Model Work Health and Safety Regulations, Schedule10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals Workplace exposure standards for airborne contaminants, Safe Work Australia American Conference of Industrial Hygienists (ACGIH) Globally Harmonised System of classification and labelling of chemicals

END OF SDS

“As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state laws. However, no warranty or representation of law or fact, with respect to such information, is intended or given.”