

Material Safety Data Sheet

1. Product and Company Identification

Product Name: CA100
Trade Name: CA100 Aqueous Aliphatic Urethane
Revision Date: 22/5/2006
Company Name: Chemisys Australia Pty Ltd
Address: P. O. Box 3604
Loganholme
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Australia
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Hazardous according to the criteria of Worksafe Australia

2. Composition/Information on Ingredients

Ingredients considered hazardous according to the criteria of Worksafe Australia:

Chemical Name	CAS #	Proportion
Polyurethane Polymer	[proprietary]	30-60%
N-methyl-2-pyrrolidone	[872-50-4]	<10%
Triethylamine	[121-44-8]	<10%

Ingredients determined not to be hazardous to 100%

3. Hazards Identification

Swallowed:

Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may cause irritation to the gastrointestinal system, causing nausea and vomiting.

Eye:

Direct eye contact may cause irritation resulting in stinging, inflammation and blurred vision

Skin:

The material is irritating to skin. Repeated skin contact may cause allergic skin reaction or result in inflammation and rash. N-methyl-2-pyrrolidone may be absorbed through the skin.

Inhaled:

Vapour may irritate nose and throat and respiratory system.

Comments:

Product contains small quantities of a tertiary amine, and N-methyl-2-pyrrolidone, which can be absorbed through the skin.

4. First Aid Measures

Eyes:

Immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention as soon as possible.

Ingestion:

DO NOT induce vomiting. If vomiting occurs spontaneously, keep airway clear. Seek medical attention IMMEDIATELY. NEVER induce vomiting or give anything by mouth to an unconscious patient.

Inhalation:

Remove victim to fresh air. Persons administering first aid to overexposure victims should carefully wash off any visible product from the victims face. Do not give anything by mouth to an unconscious person. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult administer oxygen. Seek medical attention if ill effects persist.

Skin:

Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing and contaminated footwear before reuse. Seek medical attention if irritation persists.

Note to doctor:

Treat symptomatically.

5. Fire-Fighting Measures

Flash Point:	Not Applicable
Extinguisher Media:	On large fires use dry chemical, foam or water spray. On small fires use CO ₂ , dry chemical or water spray.
Unusual Fire and Explosion Hazards:	Reacts with strong oxidising materials
Special Protective Equipment:	Self contained breathing apparatus and protective clothing should be worn.
Combustion Products:	Carbon oxides, silicon dioxide, nitrogen oxides fumes and smoke
Hazardous Polymerisation:	Will not occur
Stability:	Stable

6. Accidental Release Measures

Steps to be taken if material is released or spilled:

Wear appropriate protective clothing. Restrict access to contaminated area. Stop spill at source. Dike to prevent spreading. Collect free liquid into a recovery vessel. Absorb remainder with sand or clay and place in a properly labelled waste receptacle. Follow all government and local body regulations for disposal. Do not contaminate water while cleaning equipment or disposing of wastes. Prohibit contamination of streams, lakes and other bodies of water.

Container Disposal:

DO NOT reuse container. Dispose of safely.

7. Handling and Storage

Handling:

Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practises. Wash hands thoroughly after contact.

Storage:

Store in a cool, dry place out of reach of children. Store away from oxidising materials.

8. Exposure Controls/Personal Protection

Exposure Limits	Name	STEL(mgm3)	STEL(ppm)	TWA(mgm3)	TWA(ppm)
	Triethylamine	20	5	12	3

Ventilation Requirements:

Good industrial hygiene practise dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

Respiratory Protection:

None normally required if good ventilation is maintained. If mist is generated during application process, use a disposable mist respirator with organic vapour filters should be used.

Eye Protection:

If accidental eye contact is possible then wear goggles or a face visor.

Skin Protection:

Unnecessary skin contact should be avoided and good personal hygiene practises observed. If skin contact is anticipated then protective clothing including impervious nitrile gloves should be worn.

9. Physical and Chemical Properties

Appearance:	Pale tan/amber hazy liquid
Odour:	Sweetish amine odour
Specific Gravity:	1.02 @ 20 degrees Celsius
Solubility in Water:	Complete
Flash Point:	Not Applicable

10. Stability and Reactivity

Stability:	Products of this type are stable and unlikely to react in a hazardous manner under normal conditions.
Incompatibility:	Oxidising Agents
Hazardous Decomposition Products:	Carbon oxides, silicon dioxide, nitrogen oxides and fumes and smoke.
Hazardous Polymerisation:	Will not occur

11. Toxicological Data

N-methyl-2-pyrrolidone	[872-50-4]	LD50 (Oral/Rat) 3914mg/kg
Triethylamine	[121-44-8]	LD50 (Oral/Rat) 460mg/kg

12. Ecological Information

Avoid contaminating waterways.

13. Disposal Considerations

Dispose of via an authorised person/licensed waste disposal contractor in accordance with local regulations.
 Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.
 Dispose of product and container responsibly and carefully.
 Do not dispose of near waterways, down drains or into soil.

14. Transport Information

Not classified as hazardous for transport (ADG, UN, IATA/ICAO)

15. Regulatory Information

Australian Classifications:

UN Number:	NA
HAZCHEM Code:	NA
Dangerous Goods Class	NA
Packaging Group:	NA
EC Labelling:	R36/38 Irritating to eyes and skin S23 Do not breathe gas/fumes/vapour/spray S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S38 If insufficient ventilation, wear suitable respiratory equipment. S24/25 Avoid contact with eyes and skin S37/39 Wear suitable gloves and eye/face protection

16. Other Information

Compiled by:

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