




SAFETY DATA SHEET

Chloroform

1. IDENTIFICATION

Product Name:	Chloroform
Product Codes:	DL5100 - 200mL Amber Poisons Bottle
Recommended use:	Solvent for professional dental use.
Contact Information:	Dentalife Australia Pty. Ltd. Factory 9/505 Maroondah Highway Ringwood, VIC, 3134, Australia Phone: +61 3 9879 1226
Emergency Telephone Number:	+61 3 9879 1226
Poisons Information Centre:	24 hour, 7 days a week in an emergency call: 13 11 26

2. HAZARD IDENTIFICATION

Classification:	Hazardous Chemical according to criteria of NOHSC
Poison Schedule:	Not Applicable
Signal Word:	DANGER
Label Elements: Pictograms	
Hazard Statement:	H302 Harmful if swallowed. H402 Harmful if in contact with skin. H290 Harmful if inhaled.
Precautionary Statements (Prevention):	P260 Do not breathe mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... P234 Keep only in original packaging. P273 Avoid release to the environment.



SAFETY DATA SHEET

Precautionary Statements (Response):	<p>P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/doctor/...</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P390 Absorb spillage to prevent material damage.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p>
Precautionary Statements (Storage):	P403+P235 Store in a well-ventilated place. Keep cool.
Precautionary Statements (Disposal):	P501 Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Composition</u>	<u>CAS No.</u>	<u>Proportion %</u>
Chloroform	67-66-3	100.0

4. FIRST AID MEASURES

Eye Contact:	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
Skin Contact:	Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. Seek medical advice if affects persist.
Inhalation:	Remove victim to fresh air. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek urgent medical assistance.
Ingestion (swallowing):	Rinse mouth thoroughly with water immediately. give plenty of water to drink. Do not induce vomiting. Seek immediate medical assistance.
First aid facilities:	Maintain eye wash and drench facilities in the work place.



SAFETY DATA SHEET

Advice to doctor: Consult Poisons Information Centre (Ph: 13 11 26)
If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek urgent medical assistance.

Carcinogenicity: Carcinogen Category 3 - Substance suspected of having carcinogenic potential - Work Safe Aust.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray, dry chemical, carbon dioxide, or appropriate form

Unusual fire and explosion hazards: Will burn on prolonged exposure to flame or high temperature. Fire or heat will produce irritating, poisonous and/or corrosive gases. Run off may pollute waterways.

Special protective equipment: Wear approved respirator and protective gear. Use water spray to cool containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Protective gloves and safety glasses should be worn when handling Chloroform.

Environmental precautions: Prevent from entering into drains, native or natural environments, ie river systems

Methods and materials for containment and cleaning up: Do NOT touch spilled material unless wearing appropriate protective clothing. Prevent entry into waterways, drains and confined areas.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Ensure cap for bottle is replaced and tightly closed immediately after use. May corrode some forms of plastics, rubber, and coatings. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials.



SAFETY DATA SHEET

When handling, **DO NOT** eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained. **DO NOT** allow clothing wet with material to stay in contact with skin

Conditions for Safe Storage:	Store in a cool, dry, well-ventilated area and out of direct sunlight. Store away from strong bases, oxidizing agents, metals, ketone solvents and aluminium. Keep containers securely sealed.
Environmental precautions:	Do not allow product to reach sewers and rivers.
Other Precautions:	Keep out of reach of children. Do not ingest. Avoid eye contact and contamination of food and use according to directions on container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection:	Not required under normal conditions of use.
Hand protection:	Rubber, latex or PVC gloves.
Eye protection:	Safety glasses, goggles or face shield.
General safety and hygiene measures:	Follow good housekeeping practices and good industrial hygiene in handling this material.
Other Protection:	Overalls. PVC Apron. PVC protective suit may be required if exposure severe. Eyewash unit. Ensure there is ready access to a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Heavy, colourless, volatile, highly refractive liquid.
Odour:	Characteristic odour.
Odour threshold:	200 - 300 ppm
Boiling Point (°C):	Not 61.2



SAFETY DATA SHEET

Flash point:	Not available
Flammability limits (%):	Not available
Solubility in water (g/L):	8 g/L at 20°C
Vapor Pressure:	213 hPa (20°C)
Melting Point (°C):	-63.5
Specific Gravity:	1.485g/mL at 20°C
Autoignition temp:	982°C

10. STABILITY AND REACTIVITY

Hazardous Reactivity:	On contact with strong bases a slow reaction occurs due to low solubility of base in chloroform. If methanol (or other cosolvent) is present, reaction may be explosive. Contact with ketone plus strong base may cause violent or explosive reaction. Contact with alkaline metals or aluminum may cause violent or explosive reaction. Contact with strong oxidising agents yields phosgene and chlorine.
Stability:	Stable when kept cool and dry
Hazardous decomposition products:	Toxic fumes of carbon oxides, hydrogen chloride and phosgene
Materials to Avoid:	Strong bases, oxidizing agents, metals, ketone solvents and aluminum

11. TOXICOLOGICAL INFORMATION

ACUTE

Inhaled:	Acts as a relatively potent anaesthetic. May cause nausea, vomiting, drowsiness, dizziness and headache. High concentrations can cause central nervous system depression and cardiac arrhythmia. Exposure to higher concentrations may result in confusion, hallucinations, perceptual distortions, delirium, shortness of breath; possibly leading to loss of consciousness and even death. May cause liver injury and blood disorders. Cardiac disorders are aggravated by stress and lack of oxygen.
Ingestion:	Harmful if swallowed. May cause gastrointestinal upset. Causes severe burning in mouth and throat, pain in chest and vomiting. May also cause severe irritation to the mouth, oesophagus and stomach after prolonged exposure. Large quantities may cause symptoms



SAFETY DATA SHEET

similar to inhalation. Possible hepato-renal (liver and kidney) problems and cardiovascular problems may occur. Symptoms may include nausea, vomiting, perforation with severe abdominal pain and breathing difficulties.

Skin: Contact with skin may result in irritation. Can be absorbed through the skin with resultant toxic effects.

Eye: May cause moderate to severe irritation to the eye with a passing sensation of intense burning. Splashes may cause severe irritation and possible eye damage.

Chronic: Possible risk of irreversible effects. Prolonged inhalation or ingestion may cause liver and kidney disorders, central nervous system problems, gastro-intestinal problems and death. Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

12. ECOLOGICAL INFORMATION

It is unknown as to the long term effects on the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.

14. TRANSPORT INFORMATION



U.N. Number: 1888
Hazchem Code: 2Z
CAS Number: See ingredients

Dangerous Goods Class: 6.1
Subsidiary Risk: None
Pack. Group: III

This product (200mL pack) is not considered to be a dangerous good within the meaning of transportation.



SAFETY DATA SHEET

15. REGULATORY INFORMATION

Poisons Schedule:

Schedule 6

Product is regulated by the TGA in Australia. This product complies under ARTG- No: 175605

16. OTHER INFORMATION

Product is considered safe if used as intended.

Product is intended for professional dental use only.

This SDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. No warranty, either expressed or implied, is made with respect to the information or the product to which the information refers. Each user must review this SDS in the context of how the product will be handled and used in the workplace.

End of document