

## SAFETY DATA SHEET


### Clinicare Suction Cleaner MR (Monthly/Recovery)

#### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product Name:	Clinicare Suction Cleaner MR (Monthly/Recovery)
Product Codes:	DL2741 - Clinicare Suction Cleaner 1L DL2745 - Clinicare Suction Cleaner 5L
Recommended Use:	Concentrated liquid for simple preparation of monthly and recovery solutions for flushing of aspiration system, amalgam separators and spittoons.
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

HAZARDOUS CHEMICAL. NON-DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Signal Word:	Danger
Hazard Pictograms:	
Hazard Classifications:	Skin corrosion/irritation - Category 1C Serious eye damage/eye irritation - Category 1
Hazard Statement:	H314 Causes severe skin burns and eye damage.
Prevention Precautionary Statements:	P260 Do not breathe mist/vapours/spray P280 Wear protective gloves/protective clothing/eye protection/face protection

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**Response Precautionary Statements:** P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER  
P363 Wash contaminated clothing before reuse.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Storage Precautionary Statements:** P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P403+P235 Store in a well-ventilated place. Keep cool.

**Disposal Precautionary Statements:** P501 Dispose of contents/container in accordance with local, regional, national, and international regulations.

**Poison Schedule:** Not Applicable

**Dangerous good classification:** Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO.	PROPORTION %
Sulfamic acid	5329-14-6	< 10
Ingredients determined to be Non-Hazardous	--	1 - 2
Water	7732-18-5	to 100

### 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

**Inhalation:** If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor.

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**Skin Contact:**

If skin or hair contact occurs:

Immediately flush body and clothes with large amounts of water, using safety shower if available.

Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor.

**Eye Contact:**

If this product comes in contact with the eyes:

Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.

Transport to hospital or doctor without delay.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

**Ingestion:**

For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed.

If swallowed do NOT induce vomiting.

If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

Observe the patient carefully.

Never give liquid to a person showing signs of being sleepy or with reduced awareness, i.e., becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Transport to hospital or doctor without delay.

**Indication of any immediate medical attention and special treatment needed:**

Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Hazchem Code:**

Not applicable

**Fire Fighting:**

Alert Fire Brigade and tell them location and nature of hazard.

Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water courses.

Use firefighting procedures suitable for surrounding area.

DO NOT approach containers suspected to be hot.

Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.

Equipment should be thoroughly decontaminated after use.

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**Fire/Explosion Hazard:**

Non-combustible.  
Not considered a significant fire risk, however containers may burn.  
May emit corrosive fumes.

### 6. ACCIDENTAL RELEASE MEASURES

**Minor Spills:**

Clean up all spills immediately.  
Avoid breathing vapours and contact with skin and eyes.  
Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material, or vermiculite. Wipe up.  
Place in a suitable, labelled container for waste disposal.

**Large Spills:**

Moderate hazard.

- Clear area of personnel and move upwind.
- Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves
- Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so.
- Contain spill with sand, earth, or vermiculite.
- Collect recoverable product into labelled containers for recycling. Neutralise/decontaminate residue (see Section 13 for specific agent). Collect solid residues and seal in labelled drums for disposal.
- Wash area and prevent runoff into drains.
- After clean-up operations, decontaminate and launder all protective clothing and equipment before storing and re-using. If contamination of drains or waterways occurs, advise emergency services

**Dangerous Goods -Initial  
Emergency Response Guide No:**

Not applicable

### 7. HANDLING AND STORAGE

**Handling:**

Avoid all personal contact, including inhalation.  
Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with moisture.  
Avoid contact with incompatible materials. 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.

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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.

**Storage:**

Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs.

Keep container standing upright. Keep containers closed when not in use - check regularly for leaks.

**Storage incompatibility:**

Sulfamic acid:

reacts violently with chlorine, nitric acid, fuming nitric acid, strong bases, chlorine, hypochlorous acid, strong oxidising agents, sulfides, cyanides or when heated with nitrates, nitrites

is strongly acidic in aqueous solution

hydrolyses to ammonium bisulfate at elevated temperatures

is incompatible with alkylene oxides, aliphatic amines, alkanolamines,

amides, ammonia, epichlorohydrin, organic anhydrides, isocyanates,

metal nitrates/ nitrites, oxidisers, vinyl acetate, common metals and their

alloys, water

Contact with metals may result in the evolution of hydrogen (H<sub>2</sub>) which can form explosive mixtures in air.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Occupation Exposure Hazards:**

Sulfamic acid , occupation band rating: C

> 0.1 to ≤ milligrams per cubic meter of air (mg/m<sup>3</sup>)

**Biological Limit Values:**

As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.

**Engineering Controls:**

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Within poorly ventilated spaces, use with local exhaust ventilation or while wearing appropriate respirator. Vapour is heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.

**Personal Protection Equipment:**

Safety glasses with side shields. Chemical goggles.

Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task.

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This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]

See Hand protection below:

Wear chemical protective gloves, e.g., PVC.

Wear safety footwear or safety gumboots, e.g., Rubber

NOTE: The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.

Contaminated leather items, such as shoes, belts and watchbands should be removed and destroyed.

Select gloves tested to a relevant standard (e.g., Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).

- Contaminated gloves should be replaced.

Other Protection:

Overalls, P.V.C, apron, barrier cream, skin cleansing cream, eye wash unit.

Hygiene Measures:

Keep away from food, drink, and animal feedstuffs. When using do not eat, drink, or smoke. Wash hands prior to eating, drinking, or smoking. Avoid contact with clothing. Avoid eye contact and repeated or prolonged skin contact. Avoid inhalation of vapour, mist, or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Pink
Odour:	Characteristic
Solubility:	Miscible with water
Specific gravity:	1.01
Relative Vapor Density (air=1)	Not available
Vapour Pressure (20 °C):	Not available
Flash Point (°C):	Not available
Flammability Limits (%):	Not available
Autoignition Temperature (°C):	Not available
Melting Point/Range (°C):	Not available
Boiling Point/Range (°C):	Not available
pH:	< 3
Viscosity:	Not available
Total VOC (g/Litre):	Not available

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### 10. STABILITY AND REACTIVITY

<b>Chemical Stability:</b>	Unstable in the presence of incompatible material. Product is considered stable. Hazardous polymerisation will not occur.
<b>Conditions to Avoid:</b>	See section 7
<b>Incompatible Materials:</b>	See section 7
<b>Hazardous Decomposition Products:</b>	See section 5
<b>Hazardous Reactions:</b>	See section 7

### 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>Inhalation:</b>	Inhalation of sulfamic acid may cause difficulty breathing, low blood pressure, headache, dizziness, bluish skin color and lung congestion. The material has NOT been classified by EC Directive or other classification system as "harmful by inhalation" nor has been designated as "irritation to respiratory system". Care should be taken nevertheless to ensure exposure is kept to a minimum and that suitable control measures be used, in an occupational setting to control vapors, fumes and aerosols.
<b>Skin Contact:</b>	The material can produce chemical burns following direct contact with the skin. Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions. Concentrated solutions may cause chemical burns. The effects of sulfamic acid on the skin appear to be limited to the effects of low pH. Repeated application of a 4% solution of sulfamic acid several times a day for 5 days on the skin produced mild irritation
<b>Ingestion:</b>	The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion. Ingestion of sulfamic acid may cause vomiting, diarrhoea and a drop in blood pressure. The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

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<b>Eye Contact:</b>	The material can produce chemical burns to the eye following direct contact. Vapours or mists may be extremely irritating.
<b>Chronic:</b>	Repeated or prolonged exposure to corrosives may result in the erosion of teeth, inflammatory and ulcerative changes in the mouth and necrosis (rarely) of the jaw. Bronchial irritation, with cough, and frequent attacks of bronchial pneumonia may ensue. Gastrointestinal disturbances may also occur. Chronic exposures may result in dermatitis and/or conjunctivitis.
<b>Toxicity:</b>	
<b>Suction cleaner MR:</b>	Not available
<b>Sulfamic acid:</b>	Dermal (rat) LD50 > 2000mg/kg Oral (Rat) LD50 >2000 mg/kg Irritation: Eye (rabbit) 20 mg - moderate Eye (rabbit): 250 ug/24h - SEVERE Eye: adverse effect observed (irritating) Skin (human): 4% / days (I) - mild Skin (rabbit): 500 mg/24 h - SEVERE Skin: adverse effect observed (irritating) Legend: . Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances
<b>Acute Toxicity:</b>	Not considered to be toxic.
<b>Respiratory or Skin Sensitisation:</b>	Not expected to be respiratory sensitiser.
<b>Carcinogenicity:</b>	Not considered to be carcinogenic.
<b>Reproductivity:</b>	Not considered to be toxic to reproduction.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No information available
<b>Persistence and Degradability:</b>	No data available
<b>Bioaccumulation Potential:</b>	Sulfamic acid : LOW (LogKOW = -4.3438)
<b>Mobility in Soil :</b>	Sulfamic acid: LOW (KOC = 6.124)
<b>Environmental Protection:</b>	Prevent this material entering waterways, drains and sewers.



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### 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national, and international Regulations.

### 14. TRANSPORT INFORMATION

Road and Rail Transport:	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
Marine Transport:	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS
Air Transport:	NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

### 15. REGULATORY INFORMATION

Regulatory Information:	Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons. (SUSMP).
This material/constituent(s) is covered by the following requirements:	All components of this product are listed or exempt from the Australian Inventory of Industrial Chemicals (AIIC)

### 16. OTHER INFORMATION

Product is considered safe if used as intended.  
Product is intended for professional dental/medical use only.

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

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