



Safety Data Sheet

1. SUBSTANCE IDENTIFICATION/ PREPARATION AND COMPANY DETAILS

Product Name: CLG093 - ANTIBACTERIAL LAUNDRY POWDER – PHOSPHATE FREE

Recommended use: Antibacterial & Phosphate Free Laundry Powder 5kg

Supplier: Modern Teaching Aids

Street Address: Level 1, 122-126 Old Pittwater Road
Brookvale 2100
Australia

Telephone: 1800 251 497 (AU) 0800 808 044 (NZ)
Facsimile: 1800 151 492 (AU) 0800 682 329 (NZ)

Emergency Telephone Number: 1800 251 497 (AU) 0800 808 044 (NZ)

2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia; HAZARDOUS SUBSTANCE

GHS classification:

Eye damage – category 1
Skin irritation – category 2
Specific target organ toxicity (single exposure) – category 3



Signal word: Warning

Hazard statements:

H315: Causes skin irritation
H318: Causes serious eye damage
H335: May cause respiratory irritation

Precautionary statements:

P261: Avoid breathing dust.
P280: Wear protective gloves, protective clothing and eye or face protection
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313: If eye irritation persists: Get medical advice/attention.
P302 + P352: IF ON SKIN: Wash with plenty of water.
P332 + P313: If skin irritation occurs: Get medical advice/attention.
P362 + P364: Take off contaminated clothing and wash it before reuse.
P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing
P312: Call a POISON CENTRE or doctor/ physician if you feel unwell.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.



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Poisons Schedule (Aust.):

S5

This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Proportion
Sodium Carbonate	497-19-8	> 60%
4-chloro-3,5-dimethyl phenol	88-04-0	< 1%
Non-Hazardous ingredients	-	balance

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre. (Phone Australia 131 126)

Description of first aid measures

Ingestion:	Rinse mouth with water. Give water to drink. Do NOT induce vomiting. Seek immediate medical assistance.
Eye contact:	Continue to Irrigate with copious quantities of water until medical help is available. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.
Skin contact:	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice.
Inhalation:	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Most important symptoms and effects, both acute and delayed

Refer to section 2 and 11.

Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Specific Hazards: Non-combustible material.

Fire fighting further advice: Not combustible.

Suitable extinguishing media: Not combustible, however, if material is involved in a fire use: Water jets, water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).



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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment to prevent skin and eye contamination and inhalation of dust.

Environmental precautions: Do not allow to enter drainage system, surface or ground water.

Methods and material for containment and cleaning up: Sweep up, but avoid generating dust. Collect and seal in properly labelled containers for disposal. Wash area down with excess water.

7. HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products. Wash face, hands and any exposed skin thoroughly after handling. Take off contaminated clothing. Wash contaminated clothing before reuse. Avoid contact with eyes. Use only with adequate ventilation.

Storage: Keep dry. Keep containers closed at all times – check regularly for spills. This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard for nuisance dusts:

Chemical name	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Advisory carcinogen category	Other advisory information
Nuisance dusts	-	10	-	-	-	-

As published by the National Occupational Health and Safety Commission.

TWA – the Time-Weighted Average airborne concentrations over an eight-hour working day, for a five-day working week over an entire working life.

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 work day. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. Exposure Standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering measures: Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Exposure Standards. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust respirator. Keep containers closed when not in use.

Personal protection equipment: OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES(S), DUST MASK. Avoid skin and eye contact and inhalation of dust. Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dust. If inhalation risk exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or reusing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour: Fine free flowing white powder with a lemon odour.



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Solubility: Soluble in water.
Bulk Density : 1.15
pH (1% soln) : 9.0-9.5
Solubility in water (g/L) : complete

10. STABILITY AND REACTIVITY

Reactivity: No reactivity hazards known under normal storage and use conditions.

Chemical Stability: Stable under normal storage and use conditions.

Conditions to avoid: None known under normal storage and use conditions.

Incompatible materials: Reacts with acids.

Hazardous decomposition products: None known under normal storage and use conditions

Hazardous reactions: No hazardous reactions known under normal storage and use conditions.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	LD50: 2800 mg/kg (rat)	LD50: >2000 mg/kg (rat)	LC50: 0.8 mg/L/2hr (guinea pig) LC50: 1.2 mg/L/2hr (mouse) LC50: 2.3 mg/L/2hr (rat)

Skin corrosion/irritation: Prolonged contact may cause skin irritation.

Serious eye damage/irritation: Causes serious eye irritation; may cause redness, lachrymation, swelling.

Respiratory or skin sensitisation: Not a skin sensitiser.

Germ cell mutagenicity: Not considered to be genotoxic.

Carcinogenicity: Not considered carcinogenic.

Reproductive toxicity: Does not show specific reproductive or developmental toxicity.

Specific Target Organ Toxicity (STOT): - single exposure: In case of inhalation at high concentrations, may cause cough, nose, throat and lung irritation.

Specific Target Organ Toxicity (STOT): - single repeated exposure: Carbonate ions are neutralised under physiological conditions to form bicarbonate ions and/or carbon dioxide, which are major products of all human metabolic activities; therefore, systemic toxicity is not expected. Risk of sore throat, nose bleeds in case of repeated or prolonged inhalation exposure.



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Aspiration hazard: No data available.

Likely routes of exposure: Skin contact. Eye contact.

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

Ingestion: Swallowing can result in nausea, vomiting and abdominal pain.

Eye contact: Corrosive to eyes; contact can cause cornea burns.

Skin contact: Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation: Inhalation of dust will result in respiratory irritation.

Long term effects: No information available for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicity data: Avoid contaminating waterways.

Sodium carbonate:

LC50, Freshwater fish (*Lepomis macrochirus*): 300 mg/L (96 h).

EC50, Freshwater invertebrates (*Ceriodaphnia cf. dubia*): 200 mg/L (48 h) [semi-static].

Persistence/degradability: Sodium carbonate is an inorganic substance. In the presence of water, it will fully dissociate to sodium and carbonate ions which will disperse in the various media.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

13. DISPOSAL CONSIDERATIONS

Refer to State Land Waste Management Authority. Normally suitable for disposal at approved land waste site.

14. TRANSPORT INFORMATION

Road and Rail Transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport: Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is hazardous according to health criteria of Safe Work Australia.



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Poisons Schedule (Aust) / Toxic Substance (NZ): S5.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This Material Safety Data sheet has been prepared by Modern Teaching Aids

Issue Date: 03.06.2021

Supersedes Issue Date: 11.07.2016

Reason(s) for Issue: Five-year update.

This MSDS summarises at the date of issue our best knowledge of the health and safety information of the product, and in particular how to safely handle and use the product in the workplace. As each workplace is different each user must, prior to use, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification of further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.