

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **CHLOR KLEEN**

Recommended use: Dishmachine Powder

Supplier: Nowchem
ABN: 93 001 505 988
Street Address: 112A Albatross Road,
Nowra NSW 2541
Telephone: +61 2 4421 4099

Emergency Telephone number: (02) 4421 4099 (Weekdays 8:00am to 5:00pm AEST)
0413 809 255

2. HAZARDS IDENTIFICATION

Hazardous According to information referenced by Safe Work Australia
Dangerous Good According to the Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG7)

Signal Word
Danger



Hazard Classifications

Corrosive to Metals – Category 1
Acute oral Toxicity – Category 4
Skin Corrosion – Sub-Category 1A
Eye Damage – Category 1

Hazard Statements

H290 May be corrosive to metals
H302 Harmful if swallowed
H314 Causes severe skin burn and eye damage

General Precautionary Statements

P101 If medical advice is needed have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

Prevention Precautionary Statements

P280 Wear protective gloves, clothing protection and eye and face protection
P260 Do not breathe dust/fumes/gas/mist/spray/vapours
P264 Wash hands thoroughly after use
P270 Do not eat, drink or smoke when using this product
P234 Keep only in the original container

Response Precautionary Statements

P301+P330+P331 If SWALLOWED rinse mouth, DO NOT induce vomiting
P301+P312 If SWALLOWED call the Poisons Information Centre, phone 131126 (Australia only)
P303+P361+P353 If ON SKIN or HAIR remove immediately all contaminated clothing. Rinse skin with water.
P363 Wash contaminated clothing before re-use.
P304+P340 If INHALED remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in EYES rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing.

Storage Precautionary Statement

P405 Store locked up.

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local or national regulations.

Poisons Schedule: Shedule 5

3. COMPOSITION INFORMATION

NAME	CAS	PROPORTION
Disodium Metasilicate	6834-92-0	30-60%
Chlorinated Trisodium Phosphate	56802-99-4	30-60%
Sodium Carbonate	497-19-8	10-30%
Ingredients determined to be non-hazardous		Balance

4. FIRST AID MEASURES

SWALLOWED	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice or contact Poisons Information Centre on 13 11 26
EYE	Immediately flush the contaminated eye(s) with luke warm, gently flowing water for 15 minutes, holding the eyelid(s) open. Seek immedte medical advice.
SKIN	If skin or hair contact occurs, flush off with water.
INHALED	If symptoms are experienced, remove source of contamination or move victim to fresh air.
FIRST AID FACILITIES	Ensure eyewash facilities are available in workplace

Additional Information / Aggravated medical conditions:
No known effects

5. FIRE FIGHTING MEASURES

Hazchem Code: 2X

Suitable extinguishing media: Use water spray and fog

If safe to do so, move undamaged containers from fire area. DO NOT apprach hot containers. Cool containers with water before handling.

If impossible to extinguish fie, protect surroundings, withdraw from area and allow fire to burn.

May liberte toxic or flammable gases when heated or by chemical reaction

Special protective precautions and equipment for fire fighters: If large amounts are involved wear SCBA and chemical splash suit.

6. ACCIDENTAL RELEASE MEASURES

Restrict access to area until completion of clean up. Prevent material from entering sewers. Stop or reduce leak if safe to do so. Contain spill with earth,

SMALL SPILLS

Soak up with absorbant material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains.

LARGE SPILLS

Contact fire and emergency services for advice.

Review federal, state and local government requirements prior to disposal.

7. HANDLING AND STORAGE

Storage Incompatibility	Incompatible with acids
Storage Requirements	Store in a cool place with sealed containers
Handling Precautions	Containers may be heavy, in such cases consider using two person lift or manual handling aids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Occupational Exposure Limits:

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Disodium Metasilicate				
Chlorinated Trisodium Phosphate				
Sodium Carbonate				
Ingredients determined to be non-hazardous				

As published by Safe Work Australia.

TWA - The time-weighted average airborne concentration 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 workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These 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.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Measures: Use adequate ventilation

Personal Protection Equipment:

Respirator	Wear respirator when pouring and handling
Eye Protection	Always wear safety glasses or chemical goggles. Failure to do so may results in eye damage if an accident occurs.
Gloves	Use PVC or suitable chemical resistant gloves.
Clothing	No special requirements

Hygiene measures: Keep away from food, drink and animal feeding stuffs. 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:	Powder
Colour:	Pink
Odour:	Chlorine odour
Solubility in water:	Miscible
Density:	Not applicable
Relative Vapour Density (air=1):	Not determined
Vapour Pressure (20 °C):	Not determined

Flash Point (°C):	Non flammable
Boiling Point/Range (°C):	Not applicable
pH:	12.7 @ 1% concentration

N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of storage and use
Conditions to avoid:	Do not mix with other chemicals
Incompatible materials:	Acids, ammonium compounds, hydrogen peroxide,, organic compounds and metals such as copper,aluminium, zinc.
Hazardous decomposition products:	No data available
Hazardous reactions:	May generate heat when mixed with water or on reacting with other chemicals.

11. TOXICOLOGICAL INFORMATION

Data not available

Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects:	Data not available
Inhalation:	Irritating if inhaled. Sprayed diluted product particles may be irritating to the nose, throat and upper respiratory tract
Skin Contact:	Corrosive and Irritating to the skin
Ingestion:	Corrosive. May cause abdominal pain, diarrhoea and nausea
Eye Contact:	Concentrated solutions can cause severe injury unless washed out immediately and given urgent medical treatment.
Acute toxicity:	Data not available
Inhalation:	Data not available
Skin contact:	Data not available
Ingestion:	Data not available
Corrosion/Irritancy: Eye:	Data not available
Corrosion/Irritancy: Skin:	Data not available
Sensitisation: Inhalation:	Data not available
Sensitisation: Skin:	Data not available
Aspiration hazard:	Data not available
Specific target organ toxicity (single exposure):	No known effects.
Chronic Toxicity:	No known effects.
Mutagenicity:	No known effects.
Carcinogenicity:	No known effects.
Reproductive toxicity (including via lactation):	No known effects.
Specific target organ toxicity (repeat exposure):	No known effects.

12. ECOLOGICAL INFORMATION

Data not available

Acute aquatic hazard: Data not available
Long-term aquatic hazard: Data not available
Ecotoxicity: Data not available
Persistence and degradability: Data not available
Bioaccumulative potential: Data not available
Mobility: Data not available

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.
Dispose in accordance with local, regional, and national regulations.

14. TRANSPORT INFORMATION

UN Number: 3262
Proper Shipping Name: Corrosive solid basic, inorganic, N.O.S
Dangerous Goods Class: 8
Subsidiary Risk: None Allocated
Packing Group: III
Special Precautions for User: Refer to "Section 8. Exposure Controls and Personal Protection" of this SDS.
Hazchem Code: 2X

15. REGULATORY INFORMATION

This material/constituent(s) is covered by the following requirements:

All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Reason for issue: Format Change

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.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.