Safety Data Sheet

Go Chlor

TRUCLEAN Hygiene Specialists
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Unit 2/659 Boundary Road, Richlands, QLD, 4077
www.truclean.com.au

1. Identification

Trade name of product	:	**Go Chlor**
Other Shipping Name	:	**Hypochlorite Solution**
Supplier Address	:	**Tru Clean** **UNIT 2 659 Boundary Road Richlands** **QLD 4074 Australia**
Supplier Contact Details	:	**Phone: 1300 652 833, email: enquiry@truclean.com.au**
Emergency telephone number	:	**Poisons Information 131126**
Material uses	:	**Liquid Bleach**
Product dilution information	:	**1:40 with water**
Date of issue	:	**1 October 2016**

2. Hazards identification

Product AS SOLD
Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.
This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.

Hazard Category
SKIN CORROSION – Category 1B
EYE DAMAGE - Category 1

Signal Word: DANGER

Hazard Statements:
Causes severe skin burns and eye damage
Causes serious eye damage
Contact with acids liberates toxic gas.

Precautionary Statements:
Prevention:
Do not breathe mists.
Wash hands thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear eye / face protection.

Response:
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor. Specific treatment (see section 4 of the SDS)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage:
Store locked up.

Store in accordance with local regulatory requirements.

Disposal:
Dispose of contents/container in accordance with local regulations.

General Phrases:
Keep out of reach of children.

Product AT USE DILUTION
Not a hazardous substance or mixture according to the Safe Work Australia's GHS Criteria.

3. Composition/information on ingredients

Product AS SOLD

Ingredient name	CAS number	Proportion %	TWA mg/m^3	STEL mg / m^3
Sodium Hypochlorite	7681-52-9	10 - 30	None Allocated	None Allocated
Sodium Hydroxide	1310-73-2	< 2	2	None Allocated

Ingredients, determined not to be hazardous according to Safe Work Australia's criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

Product AT USE DILUTION				
Ingredient name	**CAS number**	**Proportion %**	**TWA mg/m^3**	**STEL mg / m^3**
None Allocated	None Allocated	None Allocated	None Allocated	None Allocated
Ingredients, determined not to be hazardous according to Safe Work Australia's criteria, and not dangerous according to the ADG Code, make up the product concentration at 100%.				

4. First-aid measures

Product AS SOLD and AT USE DILUTION

Eye contact : Rinse with plenty of running water. Seek medical advice if symptoms occur.

Skin contact : Remove contaminated clothing (wash before re-use). Then rinse with plenty of running water. Seek medical advice if symptoms occur.

Inhalation : Remove to fresh air. Seek medical advice if symptoms occur.

Ingestion : Do NOT induce vomiting. Rinse mouth. Give water to drink. Seek medical advice if symptoms occur.

Notes to physician : Treat Symptomatically. Concentrated solution can cause corneal burns.

5. Fire-fighting measures

		Product AS SOLD	**Product AT USE DILUTION**
Extinguishing media	:	Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder)	Use an extinguisher agent suitable for the surrounding fire.
Specific Hazards arising from the chemical	:	No specific hazard.	No specific hazard.
Special protective equipment and precautions for fire-fighters	:	Decomposes on heating emitting toxic fumes, including those of chlorine . Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.	Fire fighters to wear self-contained breathing apparatus in the event of a fire.
Hazchem Code	:	2X	No Hazchem Code

6. Accidental release measures

		Product AS SOLD	Product AT USE DILUTION
Personal precautions	:	For small spills ensure suitable equipment and PPE is used. Dispose of waste in accordance with local rules. For large spills the following PPE is recommended to reduce risk: Safety Glasses, Chemical Resistant Shoes & Gloves, Long sleeves / Trousers. Remove non-essential personnel from the area. Ensure that any other products of incompatible classes near the spill are removed.	No special precautions necessary. For large spills remove non-essential personnel from the area.
Environmental precautions	:	Contain large spills/releases using appropriate bunding or capping. Prevent entry into drainage systems, sewers and waterways.	Contain large spills/releases using appropriate bunding or capping. Prevent entry into waterways.
Methods for cleaning up	:	Spills may be slippery. Small spills use mop and bucket, for larger spills contain with absorbent material, collect and dispose.	Spills may be slippery. Small spills use mop and bucket, for lager spills contain, collect and dispose in accordance with local regulations.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

		Product AS SOLD and AT USE DILUTION
Handling	:	Use clean dispensing equipment, Use appropriate PPE, Always add product to water when diluting.
Storage	:	Store in a cool, dry, well ventilated place. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store in original containers whenever possible. Do not store in metal containers without prior approval. Check container compatibility before transfer. Keep containers closed when not in use - check regularly for leaks. Ensure good housekeeping in storage area.

8. Exposure controls/personal protection

		Product AS SOLD	Product AT USE DILUTION
Occupational exposure limits	:	No information available on the product itself. However, Workplace Exposure Standard(s) for constituent(s): Chlorine: Peak Limitation = 3 mg/m^3 (1 ppm) Sodium hydroxide: Peak Limitation = 2 mg/m^3	No information available on the product itself.
Engineering measures	:	Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided, and air is moving constantly in the area of use while drum is open. Keep containers closed when not in use.	Use sensible work practices that reduce operator exposure to the product. Ensure that adequate ventilation is provided. Keep containers closed when not in use.
<u>Personal Protection</u>			**PPE is not required for dilute solutions, however the following may be considered to reduce risk.**
Eyes	:	Safety Glasses/Face Shield	Safety Glasses

Hands	:	Chemical resistant gloves	Chemical resistant gloves
Respiratory	:	If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.	No PPE required under normal use.
Skin	:	Long sleeves/trousers/chemical resistant apron/chemical resistant boots	Long sleeves/trousers

9. Physical and chemical properties

		Product AS SOLD	Product AT USE DILUTION
Physical state	:	Liquid	Liquid
Colour	:	Yellow	Pale Yellow
Odour	:	Chlorine	Slight Chlorine
pH	:	>12.0 – 13.0	Alkaline
Flash point (°C)	:	NA	NA
Boiling point (°C)	:	100 (approx.)	100 (approx.)
Specific Gravity (g/ml @ 25°C)	:	1.15 – 1.17	1.00 (approx.)
Solubility in water	:	Absolute	Absolute

10. Stability and reactivity

		Product AS SOLD and AT USE DILUTION
Reactivity	:	Do not mix with acids, ammonium salts or oxidising substances.
Stability	:	Stable under normal storage conditions
Possibility of Hazardous Reactions	:	May produce heat when mixed with water. Contact with metals may liberate flammable hydrogen gas. Ammonia gas may be produced if mixed with ammonium salts. Contact with acids may liberate toxic chlorine gas.
Conditions to avoid	:	Avoid contact with food stuffs.
Incompatible Materials	:	Aluminium, tin, zinc and their alloys. Acids and ammonium salts.

11. Toxicological information

Potential acute health effects

No acute health effects expected if the product is handled in accordance with instructions provided by the manufacturer. Symptoms that may result if the product is mishandled or if overexposure occurs include:

		Product AS SOLD	Product AT USE DILUTION
Ingestion	:	Corrosive. Will cause severe irritation and chemical burns to the mouth and digestive tract.	Minor irritation and discomfort only.
Skin	:	May cause chemical burns. Will cause irritation to the skin. Prolonged contact may cause chemical scarring.	Prolonged contact may lead to irritation or other skin conditions.
Eye	:	Will cause severe irritation and possible burns with permanent damage.	May cause irritation, reddening of eyes.
Inhalation:	:	Inhalation of fine mists may cause irritation and chemical burns to the respiratory tract and nasal passages. Delayed (up to 48 hours) fluid build up in the lungs may occur.	Inhalation of fine mists may cause irritation to the respiratory tract and nasal passages

12. Ecological information

Product AS SOLD and AT USE DILUTION

Ecotoxicity data

Persistence/degradability : This material is biodegradable
Other adverse effects : Expected to be very toxic to aquatic species.

13. Disposal considerations

Methods of disposal :

Product AS SOLD
Containers should be emptied as completely as practical before disposal. If possible, recycle containers either in-house or send to recycle company. If this is not practical, send to a commercial waste disposal site.

Product AT USE DILUTION
Dispose of contents and container in accordance with local regulations.

14. Transport information

Product AS SOLD

Regulation	UN Number	Proper shipping name	Class	Packing group	Additional information
ADG	1791	**Hypochlorite Solution**	8	III	Hazchem 2X

Product AT USE DILUTION
NOT Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

15. Regulatory information

Product AS SOLD
Classified as **DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.
This material is **HAZARDOUS** according to Safe Work Australia's GHS Criteria.
This material is a **SCHEDULE 5 POISON** according to the SUSMP.
All ingredients are listed on AICS.

Hazard Category
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EYE DAMAGE - Category 1

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Response:
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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Storage:
Store locked up.
Store in accordance with local regulatory requirements.

Disposal:
Dispose of contents/container in accordance with local regulations.

General Phrases:
Keep out of reach of children.

Product AT USE DILUTION
Classified as **NON DANGEROUS GOODS** by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.
This material is **NON-HAZARDOUS** according to Safe Work Australia's GHS Criteria.
This material is **NOT a SCHEDULE POISON** according to the SUSMP.

16. Other information

Literature References : Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Workplace exposure standards, Safe Work Australia.
Hazardous Sunstances/Chemicals Information System, Safe Work Australia.
Globally Harmonised System of classification and labelling of chemicals.
Raw material suppliers' SDS

Symbio Traffic Light System

Traffic Light	Classified as **Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition) (ADG7)	Classified as **Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS)** as adopted by Work, Health and Safety regulations, Australia.	Notes
RED	✓	✓	**PLUS** products that are NOT Classified as Dangerous Goods according to ADG7, but classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
AMBER	✘	✓	**EXCLUDING** products that are classified as Corrosive to eyes and skin and/or Aspiration Hazard Category 1 and/or Toxic to humans according to the GHS as adopted by Work, Health and Safety regulations, Australia
GREEN	✘	✘	

Prepared by : **Australian Chemical Services Pty Ltd (0411 863 178)**

This Safety Data Sheet is the first issue under the direction of the PREPARATION OF SAFETY DATA SHEETS FOR HAZARDOUS CHEMICALS of December 2011. The information sourced for the preparation of this document was correct and complete at the time or writing to the best of the writer's knowledge. The document represents the commitment to the company's responsibilities surrounding the supply of this product, undertaken in good faith. This document should be taken as a safety guide for the product and its recommended uses but is in no way an absolute authority. Please consult the relevant legislation and regulations governing the use and storage of this type of product.

END OF SAFETY DATA SHEET