

SAFETY DATA SHEET

Product Name: **Chlor Plus**

Date of Issue: August 2026

SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER:	Auto Klene Solutions Aust. Pty Ltd		
ADDRESS:	885 Mountain Highway, Bayswater, 3153 VIC		
Trade Name:	Chlor Plus		
TELEPHONE:	03 8761 1900	email:	sds@motoronegroup.com
EMERGENCY TELEPHONE:	1300 774 575 in Australia (M-F 7am-7pm)	Synonym:	4971
Substance:	Mixture	Product Use:	Sanitiser
Creation Date:	August 2026	Revision Date:	August 2031

SECTION 2 – HAZARDS IDENTIFICATION

Classification of the substance or mixture

Dangerous Goods	Dangerous Goods: UN 1791 HYPOCHLORITE SOLUTION, Class 8, Packing Group III, HAZCHEM 2X (ADG).
GHS Classification	Corrosive to Metals Category 1; Skin Corrosion Category 1B; Serious Eye Damage Category 1; Hazardous to the Aquatic Environment - Chronic Category 1.
Poisons Schedule	Source SDS lists Poisons Schedule as Not Applicable. See Section 15 for SUSMP listing information.

Label elements

GHS label pictograms	
Signal word	DANGER

Hazard statement(s)

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H410	Very toxic to aquatic life with long lasting effects.
AUH031	Contact with acids liberates toxic gas.

Precautionary statement(s): General

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.

Precautionary statement(s): Prevention

P260	Do not breathe mist/vapours/spray.
P264	Wash exposed skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection. P234 Keep only in original packaging.
P273	Avoid release to the environment.
P234	Keep only in original packaging.
P273	Avoid release to the environment.

Precautionary statement(s): Response

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 Immediately call a POISON CENTRE/doctor.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P390 Absorb spillage to prevent material damage. P391 Collect spillage.
P310	Immediately call a POISON CENTER/doctor/physician/first aider.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P391	Collect spillage.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Precautionary statement(s): Storage

P405	Store locked up.
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Precautionary statement(s): Disposal

P501	Dispose of contents/container to an authorised hazardous or special waste collection point in accordance with local regulations.
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Note

IMPORTANT

This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion (%w/w):
Sodium hypochlorite	7681-52-9	10-<30 (source product: 12.5%)

SECTION 4 – FIRST AID MEASURES

Inhalation	Remove from contaminated area to fresh air. Keep at rest and warm. If breathing is difficult or symptoms occur, obtain urgent medical attention. Delayed pulmonary oedema is possible following significant chlorine exposure.
Skin contact	Immediately remove contaminated clothing and footwear. Flush skin/hair with large amounts of running water, using a safety shower if available. Continue until advised to stop by the Poisons Information Centre. Seek urgent medical attention.
Eye contact	Immediately hold eyelids apart and flush continuously with running water for at least 15 minutes, or until advised to stop by a Poisons Information Centre or doctor. Remove contact lenses only if easy to do. Transport to hospital/doctor without delay.
Ingestion	Rinse mouth. Do NOT induce vomiting. Contact a Poisons Information Centre or doctor immediately. Give water slowly if conscious and able to swallow. Urgent hospital treatment may be required.
Advice to Doctor	Treat as a corrosive/hypochlorite exposure. Chlorine inhalation may cause delayed pulmonary oedema; medical observation may be required. Do not attempt neutralisation because an exothermic reaction may occur.
First Aid Facilities	Eyewash station and safety shower should be readily accessible. Australian Poisons Information Centre: 13 11 26.

SECTION 5 – FIRE FIGHTING MEASURES

Fire and Explosion Hazards	Product is not expected to support combustion; heating/decomposition may release corrosive/toxic fumes including chlorine/hydrogen chloride and oxygen. Containers may rupture when heated. Keep away from incompatible combustible/organic materials.
Extinguishing Media	Use extinguishing media suitable for surrounding fire: water spray/fog, foam, dry chemical or carbon dioxide.
Fire Fighting	Alert Fire Brigade. Wear full protective clothing and self-contained breathing apparatus. Cool fire-exposed containers with water spray from a protected position. Prevent contaminated runoff entering drains or waterways.
Flash Point	>100 °C (source SDS).
Hazchem	2X

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Evacuate unnecessary personnel and move upwind. Wear suitable PPE. Stop leak if safe. Contain with sand, earth, vermiculite or other inert absorbent. Collect recoverable product and residues in labelled compatible containers. Prevent entry to drains and waterways. If waterways are contaminated, notify emergency services/appropriate authority. Do not use incompatible absorbents or mix with acids/ammonia.
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SECTION 7 – HANDLING AND STORAGE

Handling	Avoid all personal contact and inhalation of mist/vapour. Use in a well-ventilated area. Wear appropriate PPE. Do not eat, drink or smoke while handling. Keep container closed when not in use. Avoid contamination and contact with incompatible materials. Wash thoroughly after handling.
Storage	Store in original, compatible, clearly labelled containers in a cool, dry, well-ventilated area away from direct sunlight, heat, acids, ammonia/amines, reducing agents, organics, metals/metal oxides and combustibles. Use vented packaging suitable for hypochlorite solutions and check regularly for leaks/vent blockage. Source SDS recommends not exceeding 18 °C for strong hypochlorite storage.

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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	No specific Australian workplace exposure standard is listed for sodium hypochlorite in the source SDS. Control exposure to chlorine released by decomposition or acid contact. Source SDS occupational exposure band for sodium hypochlorite: >0.1 to <=1 mg/m3.
Ventilation	Provide adequate general ventilation; use local exhaust where mist/vapour may be generated. Prevent accumulation of chlorine gas.
Personal Protective Equipment	Chemical-resistant gloves, protective clothing/overalls or PVC apron/suit as required, safety footwear, chemical goggles and face shield for splash risk. Ensure eyewash and safety shower are available.
Eye Protection 	Chemical goggles; full face shield for significant splash risk.
Hand Protection 	Chemical-resistant gloves such as PVC, nitrile, neoprene or natural rubber; confirm breakthrough time with glove supplier.
Body Protection 	Overalls and chemical-resistant apron/protective suit; rubber/PVC safety footwear where required.
Respirator	Where engineering controls are inadequate, use an appropriate acid-gas/particulate respirator selected and fitted in accordance with AS/NZS 1715 and AS/NZS 1716. Supplied-air/SCBA may be required for emergencies or high concentrations.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Colour	Yellow
Odour	Chlorine-like	Specific Gravity	1.15-1.25
Boiling Point	100 °C	Freezing Point	Not available
Vapour Pressure	Not available	Vapour Density	Not available
Flash Point	>100 °C	Flammable Limits	Not applicable / not available
Water Solubility	Miscible	pH	12-13.5

SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Reactive with incompatible materials. Product is considered stable under recommended storage conditions; hazardous polymerisation will not occur.
Conditions to Avoid	Heat, direct sunlight, contamination and contact with incompatible materials.
Incompatibilities	Acids (liberate toxic chlorine gas), ammonia/amines, reducing agents, combustible/organic materials, alcohols, glycerol, solvents, metal oxides/salts and other reactive materials.
Hazardous Decomposition	Chlorine, oxygen, hydrogen chloride and other corrosive/toxic fumes may be released on decomposition or incompatible reaction.

SECTION 11 – TOXICOLOGICAL INFORMATION

POTENTIAL HEALTH EFFECTS

Inhalation	Chlorine-containing vapour/mist is strongly irritating/corrosive to the respiratory tract. Exposure may cause coughing, choking, breathing difficulty and delayed pulmonary oedema.
Skin contact	Causes severe chemical burns. Prolonged/direct contact can cause bleaching, drying and tissue damage.
Eye contact	Causes serious eye damage and chemical burns; vapour or mist may also be extremely irritating.
Ingestion	Corrosive. May cause burns to mouth, throat and gastrointestinal tract, nausea, vomiting, abdominal pain and serious injury.
Chronic exposure	Repeated/prolonged corrosive exposure may damage teeth and respiratory tissues. Chronic low-level chlorine exposure may reduce respiratory capacity.
Toxicology Information	Sodium hypochlorite data in source SDS: dermal rabbit LD50 >10,000 mg/kg; inhalation rat LC50 >2.625 mg/L/4h; oral mouse LD50 5,800 mg/kg.
Carcinogen Status	Hypochlorite salts: IARC Group 3 - not classifiable as to carcinogenicity to humans.

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Respiratory Sensitisation	Not classified based on available source data.
Skin Sensitisation	Not classified in Section 2 of source SDS; source notes limited reports of sensitisation.
Germ cell mutagenicity	Not classified based on available source data.
Reproductive Toxicity	Not classified based on available source data.
STOT-single exposure	Not classified based on available source data.
STOT-repeated exposure	Not classified based on available source data.
Aspiration Hazard	Not classified based on available source data.

SECTION 12 – ECOLOGICAL INFORMATION

Eco-toxicity Product	Very toxic to aquatic life with long lasting effects (H410). Sodium hypochlorite source data include algae EC50 72 h 0.018 mg/L; crustacea EC50 48 h 0.01 mg/L; fish LC50 96 h >0.023-<0.052 mg/L.
Persistence and degradability	No specific persistence data available in source SDS. Hypochlorite is highly reactive and breaks down rapidly during use and treatment, ultimately forming chloride species.
Bio accumulative potential	No specific bioaccumulation data available; chlorine/hypochlorite is not expected to bioaccumulate significantly.
Mobility in soil	No specific mobility data available in source SDS.
Other adverse effects	Can form chlorinated by-products; acidification can release chlorine gas. Highly toxic to freshwater fish and invertebrates.
Environmental Protection	Prevent release to the environment. Do not discharge to drains, sewers or waterways. Collect spillage.

SECTION 13 – DISPOSAL CONSIDERATIONS

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SECTION 14 – TRANSPORT INFORMATION

ADG	Dangerous Goods according to the Australian Dangerous Goods (ADG) Code.
Marine Pollutant	Yes - environmentally hazardous / marine pollutant for sea transport.
Land Transport (ADG)	
UN Number	1791
Proper Shipping Name	HYPOCHLORITE SOLUTION
Class	8 (Corrosive)
HAZCHEM Code	2X
Packing Group	III
ERG	8L (ICAO/IATA ERG code in source SDS)
Limited Quantity	5 L
Segregation	Segregate from acids and other incompatible dangerous goods; observe ADG segregation requirements. Special Provision 223.

SECTION 15 – REGULATORY INFORMATION

GHS Classification	Corrosive to Metals Cat. 1; Skin Corrosion Cat. 1B; Serious Eye Damage Cat. 1; Aquatic Chronic Cat. 1. H290, H314, H410; AUH031.
SUSMP	Source SDS lists sodium hypochlorite on SUSMP Schedule 5 and Schedule 6 regulatory lists; applicability depends on concentration, presentation and use. Source Section 2 states Poisons Schedule: Not Applicable for this product.
ADG Code	UN 1791 HYPOCHLORITE SOLUTION, Class 8, Packing Group III, HAZCHEM 2X; environmentally hazardous.
AICS	Sodium hypochlorite is listed on the Australian Inventory of Industrial Chemicals (AIIC).

SECTION 16 – OTHER INFORMATION

Issue Date	27 August 2026
Version Number	8.1 (converted to Auto Klene SDS template; Australian GHS 7 format)
Abbreviations and acronyms	ADG - Australian Dangerous Goods Code; AIIC - Australian Inventory of Industrial Chemicals; GHS - Globally Harmonized System of Classification and Labelling of Chemicals; HCIS - Hazardous Chemical Information System; IARC - International Agency for Research on Cancer; PPE - Personal Protective Equipment; SDS - Safety Data Sheet;

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	SUSMP - Standard for the Uniform Scheduling of Medicines and Poisons; STEL - Short Term Exposure Limit; TWA - Time Weighted Average; HAZCHEM - Emergency action code.
Literature references	Source SDS: Sodium Hypochlorite 12.5%, Vival Australia Pty Ltd, Chemwatch 6042-61, Version 8.1, issued 28/06/2024. Safe Work Australia - Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice; Model WHS Regulations (Hazardous Chemicals); GHS 7 as adopted in Australia; Australian Dangerous Goods Code; Safe Work Australia HCIS; Australian Industrial Chemicals Introduction Scheme / AIIC; current SUSMP.
Disclaimer	This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.
End of SDS	