SAFETY DATA SHEET

WTS 8-CA1-5H, WTS 8-CA1-10H, WTS 8-CA1-15H, WTS 8-CA1-20H

1. IDENTIFICATION OF THE PRODUCT AND SUPPLIER

COMPANY DETAILS

Name: Water Treatment Services (Aust) Pty Ltd

Address: Unit 5
42 Keane Street
CURRAJONG QLD 4812
PO Box 129
Castletown
HYDE PARK QLD 4812

Phone Number: 07 4728 8920
(Mon-Fri 8am-4:30pm)

Fax Number: 07 4728 8109

Emergency Contact Number: 131 126 (Poisons Information Centre)

PRODUCT DETAILS

Product Name: WTS 8-CA1-5H, WTS 8-CA1-10H, WTS 8-CA1-15H, WTS 8-CA1-20H

Use: Potable Water coagulant

2. HAZARDS IDENTIFICATION

NON HAZARDOUS CHEMICAL
NOT DANGEROUS GOODS According to the WHS Regulations and the ADG Code

Poisons Schedule: No According to SUSMP

Classification of the substance or mixture: Nonhazardous Mixture

Precautionary Statements
Prevention:

P280 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	PROPORTION (%W/W)
Nonhazardous Mixture	100

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126 or a doctor.

Swallowed: Rinse mouth out; give plenty of water to drink. Seek medical attention if symptoms persist.

Eye: Irrigate thoroughly with water with eyelids open for at least 15 minutes. Seek medical attention if symptoms persist.

Skin: Remove contaminated clothing, wash skin thoroughly with water. Seek medical attention if symptoms persist. Launder clothing before re-use.

Inhaled: If inhalation of mist / spray occurs remove from exposure and rest. Seek medical attention if symptoms persist.

Advice to Doctor: Treat symptomatically. Refer to this SDS.

As with any chemical - ingestion, inhalation and prolonged or repeated skin contact should be avoided by good occupational work practice.

5. FIRE FIGHTING MEASURES

Suitable extinguishing equipment:	Nonflammable. Use water fog or spray, or carbon dioxide to extinguish fire as appropriate to surrounding fire conditions.
Specific Hazards:	Not flammable but hydrogen chloride and carbon oxides may be generated if involved in a large fire.
Special Protective equipment and precautions for fire fighters:	Fire fighters should wear appropriate fire protection and self-contained breathing apparatus as with any chemicals fire.
Hazchem Code:	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	***PPE (Personal Protective Equipment) is mandatory-***avoid eye and skin contact, wear PVC or chemical resistant gloves, safety glasses.
Environmental precautions:	Large spills – Dam spill to prevent entry to drains or waterways. This material is harmful to the environment. Inform local authorities if the product contaminates public waters.
Methods and materials for containment and cleaning up	Contain and absorb spills with inert absorbent material. Collect into suitable properly labelled containers for disposal in accordance with the appropriate authorities in your State. Wash area down with excess water. Wet areas will be slippery.

7. HANDLING AND STORAGE

Precautions for safe handling:	As with any chemical, wearing of personal protective equipment is advised. Keep containers closed when being used.
Conditions for safe storage:	Store in a cool place away from alkalis and foodstuffs. Keep containers closed when not in use and check containers regularly for leaks. Product is corrosive to most metals including stainless steel. Not a Dangerous Good.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Standards:	This chemical falls under the category 'Aluminium, soluble salts (as Al)' in HSIS, and has an exposure standard of 2 mg/m3, time weighted average (TWA) (HSIS).
Engineering Controls:	Use in well-ventilated area. If misting can occur then general or local exhaust ventilation should be provided.
Personal Protection:	The selection of Personal Protective Equipment is dependent on a detailed risk assessment. The risk assessment should consider the work situation, physical form of the chemical, methods of handling and use, and environmental factors. Additional PPE may be required to meet site requirements. ***PPE (Personal Protective Equipment) is mandatory.*** Avoid eye/skin contact. Eye/face protection, refer AS/NZS 1337: Eye protectors for industrial applications. Impervious gloves, refer AS/NZS 2161.1-10: Occupational protective gloves. Impervious apron or protective clothing, refer AS 2919 Industrial Clothing, and AS/NZS 2210 Occupational Protective Clothing. Safety footwear or rubber boots, refer AS/NZS 2210.1-9 Series: Occupational protective footwear. If inhalation of spray or mist is likely wear a respirator approved to AS1716 Respiratory Protective Devices. Minimum recommended PPE: Wear safety glasses. Impervious gloves – nitrile/rubber, appropriate protective clothing, and footwear. Eye wash and safety shower should be provided in the immediate work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale yellow viscous liquid
Odour:	Odourless
Odour threshold:	No data available
pH:	2.5-3.5
Melting point / freezing point:	No data available
Initial boiling point & boiling range:	No data available
Flash point:	Does not flash
Evaporation rate:	No data available
Flammability (solid, gas):	Non-flammable
Upper/lower flammability or explosive limits:	Non-explosive
Vapour pressure:	No data available
Vapour density:	No data available
Specific Gravity:	1.15-1.30
Solubility:	complete
Partition coefficient n-octanol/ water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Conditions to avoid:	Excessive heat.
Incompatible materials:	Alkalis and oxidizing agents.
Hazardous decomposition products:	Hydrogen chloride and carbon oxides may be generated if involved in a large fire.
Hazardous reactions:	Will not undergo hazardous polymerisation.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:	Cationic polymer Oral LD(50) rat = >2000mg/kg
Skin (corrosion/irritation):	May cause skin irritation
Eye (damage/irritation):	May cause eye irritation
Ingestion:	Ingestion may cause irritation, nausea or vomiting. Low toxicity.
Inhalation:	Not a hazard in the form supplied. Inhalation of mist or spray may cause irritation to respiratory tract.
Sensitisation (respiratory or skin):	The available data do not provide any evidence of skin sensitisation.
Germ cell mutagenicity:	The weight of evidence does not support classification of these chemicals for genotoxicity.
Carcinogenicity:	The available data do not support classification of these chemicals as carcinogens
Reproductive toxicity	Data not available
STOT – single exposure:	Data not available
STOT – repeated exposure:	Data not available

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Avoid contaminating waterways
Persistence and degradability:	No data available.
Bioaccumulative Potential:	
Mobility:	No data available.
Other Adverse effects:	No other information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods:	Refer to local, state or federal regulations for disposal.
Disposal containers:	All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
Effects for sewerage disposal:	Not suitable
Special Precautions for incineration or landfill:	Contact a specialist disposal company or the local waste regulator for advice. This should be done in accordance with 'The Hazardous Waste Act'.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good under Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail: **NON-DANGEROUS GOODS**

15. REGULATORY INFORMATION

Additional Information:	None
Poisons Schedule:	Not scheduled
AICS:	All ingredients are listed in the Australian Inventory of Chemical Substances
NICNAS:	There are NICNAS assessments on the following chemicals: Aluminum chlorhydrate

16. OTHER INFORMATION

Date of preparation:	28/03/2023
Sources:	**Supplier MSDS, ADG code 2011, HCIS, ECHA**

Abbreviations:

%w/w	Percentage weight by weight
°C	Degrees Celsius
ADG	Australian Dangerous Goods
AS	Australian Standard
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service
ECHA	European Chemicals Agency
ESIS	European Chemical Substances Information System
EU	European Union
GESTIS	Gefahrstoffdatenbaken
GHS	Globally Harmonised System
hr	Hour
HSIS	Hazardous Substances Information System
HSNO CCID	Hazardous Substances and New Organisms Chemical Classification and Information Database
LC50	Lethal Concentration 50 (amount of chemical in air that kills 50% of a group of test animals over a set period of time)
LD50	Lethal Dose 50 (amount of material given all at once to test animals that kills 50% of them)
EC50	Effective concentration 50 (amount of material which induces a response halfway between the baseline and maximum after a specified exposure time)
mg/kg	milligrams per kilogram
mg/m3	milligrams per cubic metre
mg/l	milligrams per litre
kPa	kilopascals, measure of pressure.
cSt	centiStokes, measure of kinematic viscosity (*1 cSt = 1square millimetre per second).*
OECD	Organisation for Economic Co-operation
PPE	Personal Protective Equipment
PVC	PolyVinyl Chloride
RE	Repeated Exposure
SDS	Safety Data Sheet
SE	Single Exposure
STOT	Specific Target Organ Toxicity
SUSMP	The Standard for the Uniform Scheduling of Medicines and Poisons
UN	United Nations
US EPA	United States Environmental Agency

STEL	Short Term Exposure Limit (the airborne concentration of a particular substance calculated as a time-weighted average over 15 minutes, which should not be exceeded at any time during a normal eight hour work day).
TWA	Time Weighted Average - the average exposure to a contaminant to which workers may be exposed without adverse effect over a period such as in an 8-hour day or 40-hour week (an average work shift)
Peak Limitation	Peak limitation (a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible, but not exceeding 15 minutes.)

The information contained herein is based on data available to Water Treatment Services (Aust) Pty Ltd from technical sources and is believed to be both accurate and reliable. Since we cannot anticipate or control the different conditions under which this information and product may be used, the user should review the recommendations in the context of the intended application and confirm that they are appropriate.

POISONS INFORMATION CENTRE – 131126