

Safety Data Sheet – Winteriser

Revision date; Jan 2020

Section 1 – Product Identifier and chemical identity

Product names: **Algon's Winteriser**
Product use: Treatment of algae in swimming pool water.
Product codes: Win01, Win05, Win20
Supplier details: Algon (NZ) Ltd, NZBN 9429047722286
Ph +64 9 529 0523
Registered office: C/- Walthall Ward, Penrose, Auckland
Poisons Information Centre 24 hrs 0800 764 766

Section 2 – Hazards Identification

Hazardous Classification:

Classified as hazardous according to the criteria of SWA.
Not classified as Dangerous Good (via ADG, IATA or IMDG criteria).



GHS07

GHS Signal Word:

Acute Toxicity Oral Category 4
Serious eye damage / Eye Irritation Category 2B
Skin Irritation category 2
STOT Category 3
Acute Aquatic Toxicity Category 3

SUSMP:

Warning.

ADG Classification:

S5

UN number:

None allocated,

Hazard Statements:

None allocated

H302: Harmful if swallowed.
H315: Causes skin irritation.
H320: Causes eye irritation.
H335: May cause respiratory irritation.
H402: Harmful to aquatic life.

Precautionary Statements:

PREVENTION

P102: Keep out of reach of children.
P262: Do not get in eyes, on skin, or on clothing.
P264: Wash hands thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P273: Avoid release into the environment.
P280: Wear protective gloves, protective clothing, eye and face protection.

RESPONSE

P301 + P312: IF SWALLOWED: Call a POISON CENTRE or doctor/physician if you feel unwell.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P313+P337: If eye irritation persists: Get medical advice.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.

STORAGE

P402: Store in a dry place.
P404: Store in a closed container.

DISPOSAL

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

Section 3 – Composition / Information on Ingredients

Ingredients;	CAS #	Concentration as %	TWA (mg/m)	STEL (mg/m ³)
Soluble Copper Compound	Secret	40 g/L *	not set	not set
Amine Compounds	Secret	1-2%	not set	not set
Water and other non-hazardous ingredients	n/a	to 100 %	not set	not set

* This is copper content as Cu

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

Section 4 – First Aid Measures

If you suspect that you have been poisoned or irritated by this product, you should call the Poisons Information Centre on 131 126 (in Australia) or 0800 764 766 (in NZ). Make sure you have this SDS available when you call. First aid measures vary according to routes of exposure.

Ingestion:	Call a Doctor or Poisons Information centre. If product is swallowed, rinse out mouth with water. Do not induce vomiting, but drink plenty of water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.
Eye contact:	In the event of contact, flush eyes with plenty of water for 5 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention if discomfort or irritation lasts longer than a few minutes. Take special care if person is wearing contact lenses.
Skin contact:	Remove contaminated clothing, and wash affected areas with soap and water for several minutes. Irritation is unlikely but seek medical attention if irritation continues.
Inhalation:	Remove victim from exposure, relocate to fresh air. Loosen or remove contaminated / restrictive clothing. Apply artificial respiration or give oxygen if necessary. Allow patient to assume a position of rest, and seek medical attention if effects persist.

Section 5 – Fire Fighting Measures

Suitable Extinguishing Media:	Use media to suit local environment such as dry agents, water, foam, water fog.
Hazards from combustion products:	There is no risk of explosion from this product in normal circumstances. Only small amounts of decomposition products are expected at fire temperatures, but may be toxic if inhaled.
Precautions for fire fighters and special protective clothing:	Due to the potential of toxic fumes being released on decomposition, fire fighters should wear SWA approved self-contained breathing apparatus and protective fire-fighting clothing. Keep away from low positions, and stay upwind.
Hazchem code:	n/a
Flash point:	Not flammable.
Flammability limits:	Not flammable.
Flammability class:	Not flammable.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Wear protective clothing, including impervious shoes, PVC gloves and goggles (see Section 8). Dispose of the absorbed spill in metal or polyethylene containers in accordance with local, State or Federal regulations at an approved waste disposal facility or land fill. Avoid generating dusts, vacuum up where possible.
Environmental precautions:	Try to contain spill. Prevent spillage from entering drains, sewers and waterways
Methods and Materials for Containment and Cleaning Up:	
Large spills -	Affected area can be slippery. Treat area with absorbent material such as sand, earth or vermiculite. With large spills notify local council or emergency services if spillage enters drains.
Small spills-	Use absorbent materials to soak up spill, and dispose of in sealed, labelled containers.

Section 7 – Handling and Storage

Precautions for Safe Handling:	Ensure personal protective controls (Section 8) are worn when handling, keep exposure to a minimum. Wash hands before eating, drinking or smoking. Remove contaminated clothing before entering eating areas. Keep away from any incompatible materials mentioned in Section 10. Keep handling to a minimum.
Conditions for Safe Storage:	Store in a cool dry place away from direct sunlight or heat. Minimise dust generation and accumulation. Keep away from any incompatible materials mentioned in Section 10. Keep in original containers with lids firmly sealed and check for spills. Avoid contact with strong acids, metal hydroxides, reactive metals (tin, zinc, magnesium, aluminium).

Section 8 – Exposure Controls / Personal Protection

Exposure Standards (SWA):	ES-TWA (mg/m ³)	-	no exposure standard allocated.
	ES-STEL (mg/m ³)	-	no exposure standard allocated.
Engineering Controls:	No special requirements are necessary.		
Personal Protective Equipment (PPE):	Wear gloves, safety glasses, protective boots and overalls.		
Eye and Face Protection:	Wear safety glasses with side shields, if in doubt refer to AS 1336, AS/NZS 1337 for guidance on appropriate goggles / glasses.		
Skin Protection:	Wear protective clothing and gloves to avoid unnecessary contact. Refer to AS2161, AS 2919 and AS/NZS 2210 for guidance on appropriate gloves, clothing and footwear.		
Respiratory Protection:	It is usually safe to use this product without a respirator, but if you are in any doubt, refer to AS/NZS 1715 for appropriate equipment.		

Section 9 – Physical & Chemical Properties

Appearance:	Blue liquid.
Odour:	Slight odour.
Odour Threshold:	No data available.
Ph:	3.0 approx.
Freezing point:	0°C approx.
Boiling Point:	100°C approx (at 100 kPa).
Flashpoint:	No data available.
Evaporation Rate:	Similar to that of water.
Flammability:	Not flammable.
Vapour pressure:	No data available.
Vapour density:	No data available.
Relative Density:	1.11
Solubility:	Completely soluble in water.
Partition coefficient:	No data available (n-octanol/water).
Auto-ignition Temperature:	n/a – doesn't burn.
Decomposition Temperature:	No data available.
Viscosity:	No data available.

Section 10 – Stability and Reactivity

Reactivity:	Stable under normal storage conditions, with decomposition or reaction unlikely.
Chemical Stability:	Product is stable at normal ambient temperatures and pressures.
Possibility of Hazardous reactions:	Polymerisation is unlikely to occur.
Conditions to avoid:	Store in a cool, dry, well-ventilated place in the original container, avoiding excessive heat, direct sunlight, freezing and moisture.
Incompatible materials:	Avoid contact with strong acids, metal hydroxides, reactive metals (tin, zinc, magnesium, aluminium).
Hazardous decomposition products:	Only small quantities of decomposition products are expected at fire temperatures. Copper compounds, oxides of nitrogen, and carbon under fire conditions. carbon monoxide, carbon dioxide and smoke.

Section 11 – Toxicological information

Acute Toxicity:	Not established for this mixture but as follows for the active ingredients:	
	Oral LD50 (Copper)	300 mg/kg (rat).
	Dermal LD50	Not available.
	Inhalation LC50	Not available.
Skin Corrosion / Irritation:	May cause skin irritation.	
Serious Eye Damage / Irritation:	Causes eye irritation.	
Respiratory or Skin Sensation:	May cause respiratory irritation.	
Germ Cell Mutagenicity:	Not expected to be a hazard.	
Carcinogenicity:	No information available.	
Reproductive Toxicity:	Not expected to be a hazard.	
Specific Target Organ Toxicity (STOT) – Single Exposure:	May cause respiratory irritation.	
Specific Target Organ Toxicity (STOT) – Repeated Exposure:	Not expected to be a hazard.	
Aspiration Hazard:	No information available.	

Section 12 – Ecological Information

Ecotoxicity:	Harmful to aquatic organisms.
Persistence and degradability:	No information available.
Bioaccumulative potential:	No information available.
Mobility in Soil:	No information available.

Section 13 – Disposal Considerations

Disposal methods:	The product should be disposed of in accordance with state or local government waste management regulations. The containers themselves should be recycled wherever possible.
Special precautions for landfill or incineration:	Refer to state or local government waste management regulations

Section 14 – Transport Information

This product is not classified ADG (Australian Dangerous Goods), no special transport conditions unless specified by other regulations. There is no UN number, no Packing Group, no Special Precautions and no Hazchem Code.

UN number:	n/a
Proper shipping name:	n/a
Transport Hazard Class:	n/a
Packing group:	n/a
Special precautions:	n/a
Hazchem or Emergency Action Code:	n/a

Section 15 – Regulatory Information

Poisons schedule: S5
Copper Sulphate compounds are mentioned in the SUSMP.
The main ingredients in this product are listed on the public AICS database.

Section 16 – Other Information

Date of preparation:	August 2017
Acronyms used in this SDS:	
ADG;	Australian Dangerous Goods
AICS;	Australian Inventory of Chemical Substances
AS/NZS;	Australian Standards / New Zealand Standards
CAS #;	Chemical Abstracts Service Registry Number
ES-STEL;	Exposure Standard - Short Term Exposure Limit
ES-TWA;	Exposure Standard - Time Weighted Average
GHS;	Globally Harmonised System of classification and labelling
IARC;	International Agency for Research on Cancer
IATA;	International Air Transport Association
IMDG;	International Marine Code for Dangerous Goods
LD50;	Lethal Dose, 50%
NTP;	National Toxicology Program
SDS;	Safety Data Sheet
SUSDP;	Standard for the Uniform Scheduling of Drugs and Poison
SWA;	Safe Work Australia
UN number;	United Nations Number

This SDS has been prepared in accordance with the Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals (SWA December 2011). This represents health, safety and risk information compiled from sources considered reliable and accurate to the best of our knowledge. However, no warranty is made whatsoever, expressed, or implied regarding the accuracy of this data, or the results obtained from the use thereof. Each user must view this SDS with regard to how the product will be handled /used in the workplace, in relation to individual circumstances or other products. The user is cautioned to make their own determination regarding suitability of the information provided in relation to these situations / products / circumstances. If further information or clarification is required, please contact this company so that we can endeavour to obtain it.