



SAFETY DATA SHEET

BANISH CONCENTRATE

May 2019 Revision 2

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPOSITION

NAME	CAS NUMBER	% w/w	HAZARDOUS
Water (micro-filtered)	7732-18-5	30-60	No
Synthecol Quad LF (Benzalkonium Chloride)	68424-85-1	30-60	Yes 6.1D; 8.2B; 8.3A; 9.1A
Antifoam Concentrate (Gensil 2030)	63148-62-9	0-9	Yes 6.5B; 9.4A
Chemidet 24-7N/90	68439-50-9	0-9	Yes 6.1E; 6.3B; 8.3A; 9.1A
Nylosan Red EBL-180 dye	94276-30-9	0-9	No

PROPER SHIPPING NAME: DISINFECTANT, LIQUID, CORROSIVE, N.O.S

UN NUMBER: UN1903 (Benzalkonium Chloride)

PRODUCT USE: For total moss, mould, algae, fungi removal, cleaning and protection.

SUPPLIER: Contract Packaging and Storage Limited

44 Aerodrome Road

PO Box 4676

Mount Maunganui 3149

Telephone: +64 7 575 8853

24 HOUR EMERGENCY CONTACT: 0800 764 766 (National Poisons Centre)

Section 2: HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

Hazardous Substance according to the criteria of the New Zealand Hazardous Substances and New Organisms Legislation. EPA approval number: HSR006501.

NZFA C31 approved for use in all food, beverage, dairy factory, fish, meat and game processing plants for the cleaning and sanitising of all hard food contact services.

HAZARD LABELLING WARNING



HAZARD CLASSIFICATION AND STATEMENTS

HSNO	HSNO	GHS	Signal Word	GHS Hazard Statement
6.1D	Acute toxicity	Cat 4: Acute toxicity oral	Warning	H302 Harmful if swallowed
8.2B	Skin corrosive	Cat 1B: Skin corrosion	Danger	H314 Causes severe skin burns and eye damage
8.3A	Eye Corrosive	Cat 1: Eye Damage	Danger	H318 Causes serious eye damage
9.1A	Aquatic ecotoxic	Cat 1: Aquatic toxicity	Warning	H400 Very toxic to aquatic life
9.3B	Toxicity to terrestrial vertebrates			H432 Toxic to terrestrial vertebrates

Section 3: FIRST AID MEASURES

SWALLOWED

Wash mouth out with water. In any severe cases, **do not induce vomiting. Seek immediate medical advice.**

EYE

Wash eye with copious quantity of cold clean water. First remove contact lenses. **Do not rub.**

SKIN

Wash thoroughly with soap and cold clean water. Remove contaminated clothing and wash before re-use.

INHALATION

Highly unlikely. Remove to a well-ventilated area. Give artificial respiration if required.

Section 4: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Compatible with all usual extinguishing media. **Do not use high volume water jet.**

FIREFIGHTING

In the event of a fire, toxic fumes are emitted.

Firefighters should use self-contained breathing apparatus and protective clothing.

Collect contaminated fire extinguishing water separately. **Do not discharge to drains.**

FIRE/EXPLOSION HAZARD

Non-combustible.

PERSONAL PROTECTIVE EQUIPMENT

HAZCHEM CODE

Not applicable

Section 5: ACCIDENTAL RELEASE MEASURES

Contain and reclaim where possible.

Do **NOT** discharge into the soil.

Do **NOT** allow entry into any designated water ways.

CAUTION: Floor could become slippery

To clean the area, wash and flood to a safe place.

Section 6: HANDLING AND STORAGE

HANDLING

Handle with care. Stack correctly.

STORAGE

Store in the original container.

Store in a cool dry well-ventilated place.

Keep out of reach of children.

Reacts with copper, aluminium, zinc and their alloys

Section 7: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

No workplace exposure standards established

ENGINEERING CONTROLS

Provide eyewash station and safety shower

PERSONAL PROTECTION**EYE AND SKIN PROTECTION**

- Safety goggles
- Overalls
- Safety boots
- Gloves

Wash hands after use.

OTHER**Section 8: PHYSICAL AND CHEMICAL PROPERTIES****APPEARANCE**

Red/Pink, Liquid

PHYSICAL PROPERTIES

PROPERTY	VALUE
State	Liquid
Odour	Slight almond
Molecular Weight	
Melting Range (°C)	29 - 34
Boiling Range (°C)	>100
Solubility in water (g/L, 20°C)	100%
pH (saturated solution)	
pH (as supplied)	7.8 – 8.2
Specific Gravity (water = 1)	1.0
Relative Density (23°C)	0.98
Volatile Component	
Relative Vapour Density (air = 1)	
Vapour Pressure (kPa)	
Autoignition Temp (°C)	
Flash Point (°C)	Not Applicable
Lower Explosive Limit (%)	
Upper Explosive Limit (%)	
Decomposition Temp (°C)	
Viscosity	
Evaporation Rate	

Section 9: CHEMICAL STABILITY AND REACTIVITY**CHEMICAL STABILITY**

Stable at normal temperatures

CONDITIONS TO AVOID

None

INCOMPATIBLE MATERIALS

Avoid contact with oxidizing agents (Class 5)
Incompatible with Mild Steel; Copper; Copper Alloys; Strong Acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Toxic organic vapours/fumes, amines, CO, CO₂, nitrogen oxides, hydrogen chloride.

HAZARDOUS REACTIONS

None, when stored and handled according to prescribed instructions.

Section 10: TOXICOLOGICAL INFORMATION**SWALLOWED**

Toxic if swallowed

EYE

May cause eye damage

SKIN

May cause allergic skin reaction and/or burns

INHALED

May cause allergy or asthma symptoms or breathing difficulties

ACUTE HEALTH EFFECTS DATA**CHRONIC HEALTH EFFECTS DATA****TOXICITY DATA****IRRITATION/CORROSION DATA**

Carcinogenic effects: Not considered to be a carcinogen.

Mutagenic effects: Not known.

Reproductive or developmental effects: None identified.

Aspiration hazard: Keep exposure to the concentrate to a minimum.

Specific target organ toxicity: Keep exposure to the concentrate to a minimum.

Sensitisation (respiratory/contact): Keep exposure to the concentrate to a minimum.

Section 11: ECOLOGICAL INFORMATION**ECOTOXICITY**

Avoid any contamination of waterways. Will be toxic to any sensitive aquatic species.

ECOTOXICITY DATA**Chronic****Phytotoxicity**

Persistence and Degradability: Will biodegrade

Mobility:

Bioaccumulation:

BOD and COD:

Products of Biodegradation:

Toxicity of the Products of Biodegradation:

Section 12: DISPOSAL CONSIDERATIONS

In addition to HSNO requirements, the disposal of hazardous substances is subject to the Resource Management Act and Council rules and by-laws. Do not dispose with general waste.

PRODUCT

Refer to local bylaws and waste management procedures.

PACKAGING

Triple rinse all containers prior to disposal or recycling.

Section 13: TRANSPORT INFORMATION

Dangerous Goods Class: 8

UN Number: UN1903

Packing Group: II

Hazchem Code: 2X

Land Transport: NZS5443

Sea Transport: IMDG

Air Transport: IATA

Other Information: Handle with care. Stack correctly

Section 14: REGULATORY INFORMATION

REGULATIONS

This product is classified as Hazardous and is NZFSA – C31 approved.

Transfer Notice: None

Section 15: OTHER INFORMATION

Interpretation and Abbreviations

Controls applying to a substance:

- * denotes that changes have been made to these controls, further information on these changes is located in the transfer notice for that substance,
- (R) abbreviation for the term Regulation of the Hazardous Substances regulations

AICS – Australian Inventory of Chemical Substances

AOX – Absorbable organic halogens.

APF – Assigned Protection Factor.

BOD – Biochemical Oxygen Demand China

COD – Chemical Oxygen Demand
DSL – Canadian Domestic Substances List.
EINECS – European Inventory of Existing Commercial Chemical Substances.
ENCS – Japanese Existing and New Chemical substances.
IARC – International Agency for Research on Cancer.
IDLH – Immediately Dangerous to Life or Health Concentrations.
ISHL – Japanese Industrial Safety and Health Law List of Chemicals.
LOEL – Lowest Observed Effect Level.
LD_{LO} – Lethal Dose Low (the lowest dosage per unit of bodyweight of a substance known to have resulted in fatality in a particular animal species).
MAK – Maximum workplace concentration in the workplace air that generally does not have known adverse effects on the health of the employee nor cause unreasonable annoyance when a person is repeatedly exposed during long periods, usually 8 hours daily, 40hour working week).
NOAA – National Oceanic and Atmospheric Administration.
NOEC – No Observed Effect Concentration.
NTP – National Toxicology Program.
NZIoC – New Zealand Inventory of Chemicals.
OECD HPV – The Organisation for Economic Co-operation and Development High Product Volume Chemicals.
PEL – Permissible exposure limit.
PPE – Personal Protective Equipment.
Prop 65 – California Proposition 65 List of Chemicals.
RTECS – Registry of Toxic Effects of Chemical substances
STEL – Short term exposure limit.
TOC – Total Organic Carbon.
TSCA – US Toxic Substances Control Act Existing Chemicals.
TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
VOC – Volatile Organic Compounds.

Date of Preparation/Review: February 2019

Sources of key data used to compile the datasheet:

Manufacturers SDS
NZ EPA CCID
INCHEM

DISCLAIMER

The information contained in this safety data sheet was obtained from current and reliable sources. This data is supplied without warranty, expressed or implied, regarding its correctness and accuracy. It is the user's responsibility to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.

END OF SDS