Safety Data Sheet

SECTION 1: Identification of the Material and Supplier

Product Name: **Green Lightning**

Recommended Use: Hi Strength Multi-Purpose Cleaner/Sanitiser

Company Name: Avian Empire

Address:

Phone:

Emergency Phone: **New Zealand Poisons Centre 0800 764 766**

Section 2: Hazards Identification

Hazardous Status: Classified as hazardous according to the criteria of HSNO.

DG Status: Not classified as Dangerous Goods according to NZS5433

HAZARD CLASSIFICATIONS		HAZARD STATEMENTS	GHS Pictogram
HSNO	**GHS Equivalent**		
6.3A	Skin corrosion/irritation, Cat 2	H315 Causes skin irritation.	
8.3A	Serious eye damage/irritation, Cat 1	H318 Causes serious eye damage.	

Signal Word:	**DANGER**

PREVENTION STATEMENTS	
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE STATEMENTS	
P101	If medical advice is needed, have product container or label at hand.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.

STORAGE STATEMENTS – N/A

DISPOSAL STATEMENTS	
P501	Do not let this product enter the environment. Do not dispose of in waterways. See local council for disposal/recycling information.

Section 3: Composition/Information on Ingredients

Ingredient	CAS Number	Wt. %

Water	7732-18-5	60-80
Alkaline Builders	Mixture	1 -<5
Nonionic Surfactant	68439-50-9	5 - <20
Anionic Surfactants	Mixture	5- <20
Glycol Ether DPM	34590-94-8	5 - <10
Quaternary Ammonium actives	mixture	<5

Ingredients deemed to be not hazardous in this product: <10%

Section 4: First Aid Measures

Eyes: Severely irritating to eyes, flush immediately with plenty of water. Removal contact lens and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin: Wash with large volume water. If clothes are wet, remove and clean or dispose. If irritation continues seek medical advice.

Inhaled: Not usual but if subjected to vapour and any symptoms persist seek medical advice.

Swallowed: Do not induce vomiting. Drink 2 glasses of water. If symptoms persist call NZ Poisons Centre

Advice to Doctors: Treat Symptomatically

Section 5: Fire Fighting Measures

The product is non-flammable, combustible or reactive to water. If containers are exposed to fire, remove if possible or keep cool with water spray.

Section 6: Accidental Release Measures

May produce slip hazards if spilt on the floor: Spills less than 100 litres should be kept from any drains, contained, diluted with water. After dilution remove with mops, sponges or other absorbent material and dispose of according to local regulations.
Large spills should be treated in the same manner but where suction devices are used ensure the spill is neutralized before starting.

Section 7: Handling & Storage

Storage temperatures: 1°C - 40°C
Avoid damaging containers. Keep lids on securely when not in use.
Do not store with food products.
After using always replace caps and lids securely and ensure container are safely secured and stored
Keep from freezing

Section 8 Exposure Control / Personal Protection

Exposure Standards N/A

Personal Protection:

- **Eyes:** Chemical goggles.
- **Hands/Feet:** Protective work clothing and chemical resistant gloves.
- **Breathing Apparatus:** Not required for regular use. If vaporizing, a face shield, and respirator should be used.

Section 9: Physical & Chemical Properties

Appearance: Clear Green Liquid

Odour:	Orange Citrus
pH:	10 -11
Melting Point:	N/A
Boiling Point:	100°C
Flash Point:	N/A
Flammability:	N/A
Vapour Pressure	N/A
Vapour Density:	N/A
Specific Gravity:	1.00± 0.035
Solubility in Water;	100%
Partition coefficient:	N/A
Ignition Temp:	N/A
Decomposition Temp:	N/A
Viscosity:	N/A
Particle Characteristics:	N/A

Section 10: Stability & Activity

Chemical Stability: Stable under normal handling and storage conditions

Hazardous Decomposition Products: Oxides of carbon and nitrogen

Hazardous Reactions: Not subject to hazardous polymerization. Thermal decomposition leads to release of carbon and nitrogen oxides.

Avoid freezing, excessive heat and rapid changes in temperature

Section 11: Toxicological Information

Original data obtained from raw material SDSs/CCID. Mixture rules applied	
Acute Oral Toxicity	Not Classified
Acute Dermal Toxicity	Not Classified
Acute Inhalation Toxicity	Not Classified
Acute Aspiration Toxicity	Not Classified
Skin Irritancy/Corrosion	Causes skin irritation.
Eye Irritancy/Corrosion	Causes serious eye damage.
Respiratory Sensitisation	Not Classified
Skin Sensitisation	Not Classified
Mutagenic	Not Classified
Carcinogenic	Not Classified
Reproductive/Development Toxicity	Not Classified
STOT-SE	Not Classified
STOT-RE	Not Classified
Toxicity Data Product Acute Toxicity Estimate	
Oral LD50	>5000 mg/kg
Dermal LD50	>5000 mg/kg
Inhalation LC50 (dust/mist)	>5 mg/L/4H

Section 12 Ecological Information

This product is not classified as Ecotoxic according to the criteria of HSNO.

Toxicity: Data not available
Persistence & Degradability: Biodegradable
Mobility: Data not available.
Bioaccumulative Potential: Not bioaccumulative

Section 13: Disposal Considerations

Minor spills can be disposed of (after neutralization) through town wastewater systems where permitted for industrial use.
Major spills that have been collected by absorbents or machine should be disposed of by authorized experts in line with local regulations

Section 14: Transport Information

Not regulated for transport of dangerous goods: UN, IATA, IMDG. **Not classified as a Dangerous Good under NZS 5433:2012 Transport of Dangerous Goods on Land.**	
UN Number:	N/A
Proper Shipping Name:	N/A
Class:	N/A
Packing Group:	N/A
Hazchem:	N/A
Marine Pollutant	N/A

Section 15: Regulatory Information

Group Standard:	HSR002530 Cleaning Products – Subsidiary Hazard
Other Approvals:	MPI Approval: C32 (all animal products except dairy)
HSNO CONTROLS	
SDS required when any quantity is present in a workplace.	
Emergency Response Plan and Secondary Containment required when >1000L is present in a workplace	
Corrosive Signage required when >1000L is stored.	
Certified Handler	Not Required
Tracking	Not Required
All ingredients are on the New Zealand Inventory of Chemicals (NZIoC) or exempt.	
Any existing national regulations on the handling of dangerous substances should be observed. Controls for hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will need to consider aggregate quantities. Contact a WorkSafe approved Compliance Certifier for further information and guidance.	

Section 16: Other Information

Acronyms that may appear in this SDS:

SDS = Safety Data Sheet
DG = Dangerous Goods
HSNO = Hazardous Substances and New Organisms Act.
EPA = Environmental Protection Authority
CCID = Chemical Classification and Information Database (EPA)
NZ WES = New Zealand Work Exposure Standard
TWA = Time Weighted Average
STEL = Short Term Exposure Limit
CAS = Chemical Abstract Service
CHS = Global Harmonization System
LD 50 = Lethal Dose 50-%
LC 50 = Lethal Concentration 50%
STOT-SE = Specific target organ toxicity single exposure
STOT-RE = Specific target organ toxicity repeated exposure
N.O.S = Not Otherwise Stated
MPI =Ministry Primary Industries
Cat = Category
N/A = Not applicable

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