

30 SECONDS LTD

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SAFETY DATA SHEET

Section 1: Identification of the material and the supplier

Product:	30 Seconds – Roof Treatment Concentrate
Product Use:	Concentrate solution for the control of lichen, moss, mould and algae on roofs.
New Zealand Manufacturer:	30 Seconds Ltd
Address:	9B Garland Street Matamata New Zealand
Telephone:	64 7 880 9380
Australian Supplier:	TRADEWARE GROUP
Address:	45 Birralelee Road Regency Park SA 5010, Australia
Telephone:	61 8 8244 0344
Emergency Telephone:	New Zealand : 0800 764 766 (NZ Poisons & Hazardous Chemicals Centre) Australia : 13 11 26 (Poisons Information Centre)

Section 2: Hazards Identification

This substance is hazardous according to the HSNO (Minimum Degrees of Hazard) Regulations 2001.
This substance is classified as a dangerous good for Land Transport in New Zealand according to NZS5433: 2012

This substance is hazardous according to the Criteria of NOHSC, and considered as dangerous goods according to criteria of the ADG Code.

EPA Approval Code: HSR002526

Pictograms:



HSNO Classification	Hazard Code	Hazard Statement
6.1D	H303	Harmful by ingestion
6.5A	H334	Respiratory sensitizer
6.5B	H317	Contact sensitizer
6.9B	H355	Harmful to human target organs or systems
8.2C	H314	Skin corrosive
8.3A	H318	Eye corrosive
9.1B	H411	Highly toxic to the aquatic environment
9.3C	H433	Harmful to terrestrial vertebrates

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective clothing.
P260	Do not breathe vapors/spray.
P270	Do not eat, drink or smoke when using this product.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P310	Immediately call a POISON CENTER or doctor/physician.
P362	Take off contaminated clothing and wash before re-use.
P391	Collect spillage.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.

Storage Code	Storage Statement
None allocated	

Disposal Code	Disposal Statement
P501	Dispose as per Local Regulations.

Section 3: Composition / Information on Ingredients
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Ingredients	Wt%	CAS NUMBER.
Benzalkonium Chloride	<10%	8001-54-5
Dye	<0.1%	3844-45-9
Water	To balance	7732-18-5

Section 4: First Aid Measures

Recommended first aid facilities:

Ready access to running water is required. Accessible eyewash is required. Emergency Ready access to shower, hand wash & soap.

Routes of Exposure:

If in Eyes	Rinse for at least 15 minutes lifting eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical assistance if needed.
If on Skin	Wash skin with water/shower. Take off contaminated clothing and wash before re-use. Seek medical assistance if needed.
If Swallowed	Rinse Mouth. Do not induce vomiting. If conscious, give plenty of water. Never give liquid to a person showing signs of reduced awareness or becoming unconscious. Seek medical assistance if needed or contact poisons information Centre.
If Inhaled	Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult or the patient is experiencing respiratory symptoms, remove to fresh air and keep at rest in a position comfortable for breathing, seek medical assistance and contact poisons information Centre if needed. If patient is unconscious, place in the recovery position and seek medical assistance.

Section 5:	Fire Fighting Measures
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Hazard Type	Non Flammable
Extinguishing media	Dry chemical powder, foam, fog sprays, and water jets.
Fire/Explosion Hazard	Noncombustible liquid. Decomposes on heating and produces combustion products.
Precautions for firefighters and special protective clothing	Self-contained breathing apparatus. Safety boots, Fire retardant overalls, gloves, hat and eye protection.
HAZCHEM CODE	2X

Section 6:	Accidental Release Measures
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Minor Spills: Wear protective equipment to prevent skin and eye exposure. Contain using sand, earth or vermiculite.

Major Spills: Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of unprotected personnel. If greater than 1000L emergency plans must be in place. Prevent by whatever means possible (sand, earth, vermiculite) any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labeled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services. Mop up and collect recoverable material into labeled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.

Section 7:	Handling and Storage
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Precautions for safe handling and storage for bulk quantities:

- Keep out of reach of children.
- Read label before use.
- Read safety data sheet before use
- Wear protective clothing.
- Wash hands thoroughly after handling.
- Avoid release to the environment
- Store upright in a closed container in cool, dry and well ventilated areas. Do not store for prolonged periods in direct sunlight.

Section 8:	Exposure Controls / Personal Protection
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Personal Protective Equipment:

Eyes:

Protect eyes with goggles, safety glasses or full face mask. Avoid wearing contact lenses.

Skin:

Avoid skin contact and keep exposure to a minimum. Wear overalls, rubber boots and impervious gloves. Remove protective clothing and wash exposed areas with soap and water prior to eating or drinking.

Inhalation

Avoid inhalation of vapor, mist or aerosol. Use appropriate respiratory protection if required.

Section 9:	Physical and Chemical Properties
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State:	Liquid
Color:	Clear, colorless – pale straw color
Odor:	Neutral Odor
pH as supplied:	7-9
Solubility:	soluble in water
Boiling point:	100°C
Evaporation rate:	not available
Freezing Point:	not available
Specific Gravity:	1.0 approx.
Vapour pressure:	not available.

Section 10:	Stability and Reactivity
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Chemical Stability	Stable under normal storage conditions.
Conditions to Avoid	Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames. Do not store near combustible materials.
Incompatibility	Strong acids or strong oxidizing agents.
Hazardous Decomposition Products	Products of combustion (CO, CO ₂ , SO ₂)

Section 11:	Toxicological Information
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Summary

No specific data is available for this product.

Toxicological data has been evaluated/calculated for the mixture. The product is considered to have the following potential health effects.

Contact with skin and eyes may result in burns.

Supporting Data

Acute	Oral	The calculated LD ₅₀ (oral rat) for the mixture is between 300 and 2000 mg/kg. Data considered includes Benzalkonium Chloride 150 mg/kg (mouse)
	Dermal	The calculated LD ₅₀ (dermal rat) for the mixture is >5000 mg/kg. Data considered includes Benzalkonium Chloride 1420 mg/kg (rat)
	Inhaled	No evidence of inhaled toxicity was found for any of the ingredients.
	Eye	The mixture is considered to be corrosive to the eye based on Benzalkonium Chloride present >3%
	Skin	The mixture is considered to be corrosive to the skin based on Benzalkonium Chloride data.
Chronic	Sensitization	Benzalkonium Chloride is known to be a contact and respiratory sensitizer. It is present >1% hence the mixture is considered to be a sensitizer.
	Systemic	Benzalkonium Chloride is classed 6.9B (dermal) and is present >1%, therefore the mixture is classified 6.9B.

Section 12: Ecological Information**Summary**

No specific data is available for this product. Where available, ecotoxicological data has been researched and data for the mixture evaluated/calculated. The product is considered to have the following ecotoxicity groups.

Supporting Data

Aquatic	Harmful to aquatic organisms, may cause long term effects in the aquatic environment based on Benzalkonium Chloride data.
Bioaccumulation	Not Bio accumulative
Degradability	All ingredients are considered biodegradable
Soil	There is no evidence that the mixture is toxic to the soil environment.
Terrestrial vertebrate	The mixture is considered harmful to terrestrial vertebrates. Data based on LD ₅₀ (oral). See section 11 – oral toxicity.
Terrestrial invertebrate	Not considered harmful to terrestrial invertebrates.
Biocidal	The product is used for the removal of algae, mould, moss, etc. from exterior surfaces.

Section 13: Disposal Considerations

Rinse containers well with water before disposal. Preferably re-cycle container, otherwise send to an authorized landfill or similar.

Section 14: Transport Information

This substance is classified as dangerous goods for Land Transport in New Zealand according to NZS5433: 2012

UN number: 1760,

Class(es) 8,

Proper Shipping name: Corrosive Liquid, N.O.S. (contains benzalkonium chloride).

Packaging group: III

Hazchem code 2X

This substance is classified as dangerous goods for Land Transport in Australia according to criteria of the ADG code.

Section 15: Regulatory Information

EPA Approval Code: HSR002526

HSNO Controls:

Trigger quantities for this substance:

Approved Handler	Not required
Location Test Certificate	Not required
Tracking Trigger Quantities	Not applicable
Signage Trigger Quantities	>1000L in any one location (ecotoxic, corrosive)
Emergency Response Plan trigger Quantities	>1000L

Section 16	Other Information
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SDS Version Number: 2.0

SDS Effective Date: 18 February 2015

SDS Review Date: 18 February 2020

SDS Regulation: The content and format of this SDS is in accordance with HSNO Approved Code of Practice (No. HSNO COP 8-1 09-06): Preparation of Safety Data Sheets.

Disclaimer:

This document is compiled based on current knowledge as provided by 30 Seconds Ltd or information obtained from third party sources relating to safety and handling precautions for this product.

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