



SAFETY DATA SHEET

Section 1: Identification of the material and the supplier

Product:	30 Seconds – Solar Panel Cleaner
Product Use:	For Solar Panel Cleaning applications.
New Zealand Manufacturer:	30 Seconds Ltd
Address:	9B Garland Street Matamata New Zealand
Telephone:	64 7 880 9380
Australian Supplier:	TRADEWARE GROUP
Address:	45 Birralee 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 not classified as a dangerous good for Land Transport in New Zealand according to NZS5433: 2012

EPA Approval Code: Cleaning Products (subsidiary hazard) – HSR002530

Pictograms:



HSNO Classification	Hazard Code	GHS Category	Hazard Statement
6.3B	H315	Category 3	Causes skin irritation.
6.4A	H319	Category 2A	Causes serious eye irritation.

Prevention Code	Prevention Statement
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing.

Response Code	Response Statement
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention
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.
Surfactant	2%	Proprietary
Non Ionic surfactant	1-5%	Proprietary
Polymeric Additive	1-2%	Proprietary
Preservative	<1%	Proprietary
Citric Acid	<1%	Proprietary
Sodium Citrate	1-5%	Non - Haz
Water	>80%	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 soap and water. Take off contaminated clothing and wash before re-use. Seek medical assistance if needed.
If Swallowed	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 patient to fresh air. If breathing becomes difficult get medical attention.

Section 5: Fire Fighting Measures
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Hazard Type	Non Flammable
Extinguishing media	Dry chemical powder, foam, fog sprays, water jets.
Fire/Explosion Hazard	Noncombustible liquid. Decomposes on heating and produces combustion products.
Precautions for firefighters and special	Standard fire-fighting procedures may be followed, including full protective gear.

protective clothing	
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Section 6: Accidental Release Measures

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 and eye exposure. Prevent by whatever means possible 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:

- Wear protective clothing and equipment.
- Wash hands thoroughly after handling.
- Avoid release to the environment

Section 8: Exposure Controls / Personal Protection

Engineering Controls:

Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapors are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment:

Eyes:

Protect eyes with goggles or safety glasses. Avoid wearing contact lenses.

Skin:

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

Section 9: Physical and Chemical Properties
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State:	Liquid
Colour:	Pale yellow
Odour:	Typical surfactant smell
pH as supplied:	Alkaline
Solubility:	soluble in water
Boiling point:	not available
Evaporation rate:	not available
Freezing Point:	not available
Specific Gravity:	1.1 approx.
Vapour pressure:	not available.

Section 10: Stability and Reactivity

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**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 the eyes may result in serious eye irritation. Contact with skin may result in irritation.

Supporting Data:

Acute	Oral	Calculations for the mixture LD ₅₀ comes out at >5000 mg/kg hence no classification required.
	Dermal	No data
	Inhaled	No data
	Eye	The mixture is considered to be eye irritant (6.4A) as some ingredients of the mixture are eye corrosives at higher concentrations
	Skin	The mixture is considered as a skin irritant (6.3B) as some ingredients are listed as skin corrosives at higher concentrations.
Chronic	sensitization	No data
	Mutagenicity	No data
	Carcinogenicity	No data
	Reproductive/developmental	No data
	Systemic	No data
	Aggravation of existing conditions	None Known

Section 12: Ecological Information**Summary**

No specific data is available for this product.

Aquatic	No Data
Bioaccumulation	No Data
Degradability	No Data
Soil	No Data

Terrestrial vertebrate	No Data
Terrestrial invertebrate	No Data

Environmental Protection: Avoid contaminating waterways. Do not discharge the product into drains or sewers.

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

Not regulated for transport of dangerous goods: UN, IATA, IMDG

Section 15: Regulatory Information

EPA Approval Code: Cleaning Products (subsidiary hazard) – HSR002530

HSNO Controls:

Trigger quantities for this substance:

	Trigger Quantity
Approved Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan trigger Quantities	Not required

Section 16 Other Information

SDS Version Number: 1.3

SDS Effective Date: 15 June 2018

SDS Review Date: 15 June 2023

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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