SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	**AUTOSOL® Windscreen Wash Concentrate 1:100**
Item Code:	
Product Use:	Automotive windscreen wash preparation
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	Hobeca Trading Co Ltd
Address:	25 Andrew Baxter Drive Auckland, 2022 New Zealand
Telephone:	+64 9 249 0499
Emergency No:	0800 764 766 (National Poison Centre)
Manufacturer:	Autosol 1/1 Rowe Street Harbord, NSW, 2096 Australia
Tel:	+61 (02) 9905 8400
Date of SDS Preparation:	13 July 2022

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: Cleaning Products (subsidiary) – HSR002530

Pictograms:

Signal Word: **Warning**

GHS Classification and Category	HSNO Classification	Hazard Code	Hazard Statement
Eye irritation Cat. 2	6.4A	H319	Causes serious eye irritation.

Prevention Code	Prevention Statement
P103	Read label before use.
P264	Wash hands thoroughly after handling.
P280	Wear protective clothing as detailed in Section 8.

Response Code	Response Statement
P305 +	IF IN EYES: Rinse cautiously with water for several minutes. Remove

P351+P338	contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Storage Code	**Storage Statement**
None allocated	

Disposal Code	**Disposal Statement**
P501	Refer to Section 13.

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Ethanol	1 - 10	64-17-5
Sodium laureth sulfate, ethoxylated (EO > 2.5)	1 – 10	9004-82-4
Docusate sodium	1 - 10	577-11-7
Sodium lauryl sulfate	1 - 10	151-23-3
Other non-hazardous ingredients	To bal	Proprietary

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes — Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. Obtain medical attention immediately. Take special care if exposed person is wearing contact lenses.

If on Skin — Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

If Swallowed — If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

If Inhaled — First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Most important symptoms and effects, both acute and delayed
Symptoms:

Swallowed: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Inhaled: Available data indicates that this product is not harmful. However, product may be mildly irritating, although unlikely to cause anything more than mild transient discomfort.

Skin: Available data indicates that this product is not harmful. It should present no hazards in normal use. However, product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Eye: Causes serious eye irritation. Symptoms may include stinging and reddening of eyes and watering which may become copious. Other symptoms such as swelling of eyelids and blurred vision may also become evident. If exposure is brief, symptoms should disappear once exposure has ceased. However, lengthy exposure or delayed treatment is likely to cause permanent damage.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable / Not Combustible
Hazards from decomposition products	The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Fire decomposition products from this product are not expected to be hazardous or harmful.
Suitable Extinguishing media	Use extinguishing media suited to burning materials.
Precautions for firefighters and special protective clothing	Fire-fighters should wear appropriate protective equipment.
HAZCHEM CODE	**None allocated**

Section 6. Accidental Release Measures

This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, clean up, rinsing to sewer and put empty container in garbage. Although no special protective clothing is normally necessary because of occasional minor contact with this product, it is good practice to wear impermeable gloves when handling chemical products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Wash hands thoroughly after handling.
- Wear protective clothing as detailed in Section 8.
- Keep exposure to this product to a minimum, and minimise the quantities kept in work areas.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Make sure that containers of this product are kept tightly closed.
- Keep containers dry and away from water.
- Some liquid preparations settle or separate on standing and may require stirring before use.
- Check packaging - there may be further storage instructions on the label.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

		TWA		STEL	
Substance	**Cas No**	**ppm**	**mg/m³**	**ppm**	**mg/m³**
Ethyl alcohol (Ethanol)	[64-17-5]	1000	1880	-	-

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

Engineering Controls
No special ventilation requirements are normally necessary for this product. However, make sure that the work environment remains clean and that vapours and mists are minimised.

Personal Protection Equipment

Eyes	Protective glasses or goggles must be worn when this product is being used. Failure to protect your eyes may lead to severe harm to them or to general health. Emergency eye wash facilities must also be available in an area close to where this product is being used.
Hands	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely. Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.
Respiratory	Usually, no respirator is necessary when using this product.
General	Eyebaths or eyewash stations and safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 Physical and Chemical Properties

Appearance	Orange coloured liquid
Odour	Fruity fragrance
Odour Threshold	Not available
pH	6.5 (as supplied)
Boiling Point	Approximately 100°C at 100kPa.
Melting Point	Approximately 0°C.
Freezing Point	Approximately 0°C.
Flash Point	100°C
Flammability	Non Flammable
Upper and Lower Exposure Limits	Not available
Vapour Pressure	2.37 kPa at 20°C (water vapour pressure).
Vapour Density	As for water
Specific Gravity	1.01
Solubilities	Completely soluble in water.
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
VOC	Not available
Particle Characteristics	Not available
Evaporation Rate	As for water

Section 10. Stability and Reactivity

Stability of Substance	Stable under recommended storage and handling conditions.
Reactivity	This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.
Conditions to Avoid	Keep containers tightly closed. Containers should be kept dry.
Incompatible Materials	No particular Incompatibilities.

Hazardous Decomposition Products	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke. Water is also formed. May form oxides of sulfur (sulfur dioxide is a respiratory hazard) and other sulfur compounds. Most will have a foul odour. Sodium compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not triggered however, inhalation of concentrated vapours as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
Eye	Causes serious eye irritation.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Individual Component Toxicity Data:

Product/ingredient name	Oral LD50	Dermal LD50	Inhalation LC50
Ethanol	7060 mg/kg (rat)	-	20,000 mg/L/4hr
Docusate Sodium	1900 mg/kg (rat)	-	-
Sodium Lauryl Sulfate	1288 mg/kg (rat)	-	-

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Persistence and degradability	This product is believed to be biodegradable.
Bioaccumulation	It is unlikely to accumulate in soil or water or cause long term problems.
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method: Dispose of small quantities and empty containers by wrapping with paper and putting in garbage. For larger quantities, if recycling or reclaiming is not possible, use a commercial waste disposal service.

Precautions: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

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

Trigger quantities for this substance:

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	Only use for the intended purpose.

Section 16 Other Information

Glossary

Cat	Category
EC_{50}	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC_{50}	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD_{50}	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices April 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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