

## SAFETY DATA SHEET

### De-Solv-it Professional Auto Ultra Clear Glass & Mirror Cleaner

Version No: 1

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Safety Data Sheet according to WHS and ADG requirements

Non- Hazardous Chemical, Non-Dangerous Goods

#### SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

##### Product Identifier

Product name	De-Solv-it Professional Auto Ultra Clear Glass & Mirror Cleaner
Synonyms	-
Proper shipping name	De-Solv-it Professional Auto Ultra Clear Glass & Mirror Cleaner
Other means of identification	Not Available

##### Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Professional strength glass and mirror cleaner
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##### Details of the supplier of the safety data sheet

Registered company name	Vardon Industries Pty Ltd
Address	4 Kitchen Road, Dandenong South, Victoria 3175, Australia.
Telephone	+61 (3) 9706 4177
Email	sales@vardonindustries.com.au

##### Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	Not Available

#### SECTION 2 HAZARDS IDENTIFICATION

##### Classification of the substance or mixture

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the Model WHS Regulations and the ADG Code.

Poisons Schedule	None
GHS Classification <sup>[1]</sup>	Not classified
Hazard statement	Not classified

##### Precautionary statement(s) Response

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.

##### Precautionary statement(s) Disposal

P501	Dispose of contents / container to hazardous or special waste collection point
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#### SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

### Ingredients:

See section below for composition of Mixtures

### Mixtures

CAS No	%[weight]	Name
5989-27-5	≤ 1	Limonene (from Citrus Aurantium Dulcis Peel Extract)
77-92-9	< 10	Citric Acid
63449-41-2	< 10	Benzalkonium Chloride
64-17-5	< 10	Ethanol
68439-46-3	< 10	Surfactant
	balance	Ingredients determined not to be hazardous

## SECTION 4 FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

<b>Eye Contact</b>	If this product comes in contact with the eyes: Wash out immediately with fresh running water for 10 to 15 minutes with eyelids held open. In all cases of eye contamination, it is sensible precaution to seek medical advice / attention.
<b>Skin Contact</b>	In the event of irritation or rash discontinue use of the product. If irritation persists, seek medical advice / attention.
<b>Inhalation</b>	If respiratory irritation occurs remove patient from area where the product is being used. If patient feels unwell seek medical advice / assistance.
<b>Ingestion</b>	If swallowed do not induce vomiting. Immediately rinse mouth and drink 200-300mL of water. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. If in doubt, contact a Poisons Information Centre or seek medical advice.

Notes to physician: Treat symptomatically.

## SECTION 5 FIREFIGHTING MEASURES

Hazchem Code: Not applicable.

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.

### Extinguishing media

<b>Extinguishing Media</b>	Water spray Dry Powder Foam
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### Special hazards arising from the substrate or mixture

<b>Specific Hazards</b>	Non-combustible material
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### Advice for firefighters

<b>Fire Fighting</b>	Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves in the event of a fire. Prevent, by any means available, spillage from entering drains or water course. Use fire fighting procedures suitable for surrounding area.
<b>Fire/Explosion Hazard</b>	The material is not readily combustible under normal conditions. However, it will break down under fire conditions and the organic component may burn. Not considered to be a significant fire risk. Heat may cause expansion or decomposition with violent rupture of containers. On combustion, may emit harmful fumes, carbon dioxide (CO <sub>2</sub> ).

## SECTION 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

<b>Minor Spills</b>	Clean up all spills immediately with absorbent material. Avoid contact with eyes.
<b>Major Spills</b>	Slippery when spilt. Avoid accidents, clean up immediately with absorbent material. After clean up, wash area thoroughly with water.

## SECTION 7 HANDLING AND STORAGE

### Precautions for safe handling

<b>Safe Handling</b>	Avoid eye contact and repeated or prolonged skin contact.
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### Conditions for safe storage

<b>Safe Storage</b>	<p>Store in original containers.</p> <p>Keep containers securely sealed and standing upright.</p> <p>Store in a cool, dry, well-ventilated area and out of direct sunlight.</p> <p>Store away from incompatible materials and foodstuff containers.</p>
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## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>National occupational exposure limit</b>	<p>d-Limonene [5989-27-5] Maximum workplace concentration 5ml/m<sup>3</sup>, 28mg/m<sup>3</sup>.</p> <p>Occupational Exposure Band Limit ≤ 0.1ppm</p> <p>NOTE: Occupational exposure banding is a process of assigning chemicals into specific categories or bands based on a chemical's potency and the adverse health outcomes associated with exposure. The output of this process is an occupational exposure band (OEB), which corresponds to a range of exposure concentrations that are expected to protect worker health.</p>
<b>Biological Limit Values</b>	As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.
<b>Engineering Measures</b>	Natural ventilation should be adequate under normal use conditions.
<b>Hygiene Measures</b>	Keep away from food, drink and animal feeding stuffs. Wash hands prior to eating, drinking or smoking. Avoid eye contact and repeated or prolonged skin contact. Ensure that eyewash stations and safety showers are close to the workstation location.
<b>Individual Protection Measures</b>	Personnel with sensitive skin should wear gloves for hand protection.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid with light citrus colour tint		
<b>Physical state</b>	Watery liquid	<b>Relative density (Water = 1)</b>	0.98
<b>Odour</b>	Slight citrus aroma	<b>Partition coefficient n-octanol / water</b>	Not Available
<b>Odour threshold</b>	Not Available	<b>Auto-ignition temperature (°C)</b>	Not Available
<b>pH (as supplied)</b>	2.0 – 3.0	<b>Decomposition temperature</b>	Not Available
<b>Melting point / freezing point (°C)</b>	Not Available	<b>Viscosity (cSt)</b>	Not Available
<b>Initial boiling point and boiling range (°C)</b>	≥ 100	<b>Molecular weight (g/mol)</b>	Not Available
<b>Flash point (°C)</b>	Not Available	<b>Taste</b>	Not Available
<b>Evaporation rate</b>	Not Available	<b>Explosive properties</b>	Not Available
<b>Flammability</b>	Not flammable	<b>Oxidising properties</b>	Not Available
<b>Upper Explosive Limit (%)</b>	Not Available	<b>Surface Tension (dyn/cm or mN/m)</b>	Not Available
<b>Lower Explosive Limit (%)</b>	Not Available	<b>Volatile Component (%vol)</b>	Not Available
<b>Vapour pressure (kPa)</b>	Not Available	<b>Gas group</b>	Not Available
<b>Solubility in water (g/L)</b>	Soluble	<b>pH as a solution (1%)</b>	Not Applicable
<b>Vapour density (Air = 1)</b>	Not Available	<b>VOC g/L</b>	Not Available

## SECTION 10 STABILITY AND REACTIVITY

<b>Reactivity</b>	See section 7
<b>Chemical stability</b>	Product is considered stable when stored and used as directed.
<b>Hazardous reactions</b>	No known hazardous reactions.
<b>Conditions to avoid</b>	Elevated temperatures.
<b>Hazardous decomposition products</b>	No hazardous decomposition products if stored and handled as indicated

## SECTION 11 TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

### Acute Effects

<b>Inhalation</b>	This material has been classified as non-hazardous. However, material may be an irritant to mucous membranes and respiratory tract.
<b>Ingestion</b>	This material has been classified as non-hazardous. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
<b>Skin Contact</b>	This material has been classified as non-hazardous. Prolonged contact with skin may result in mild skin irritation (OECD Guideline 404)
<b>Eye</b>	May be an eye irritant. May cause serious eye damage/irritation rabbit: Irritant. (OECD Guideline 405)

#### Acute Toxicity

<b>Inhalation</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 20.0 mg/L for vapours or LC50 > 5.0 mg/L for dust and mist or LC50 > 20,000 ppm for gas
<b>Ingestion</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw
<b>Skin Contact</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw
<b>Eye</b>	May be an eye irritant.

#### Chronic Toxicity

<b>Mutagenicity</b>	This material has been classified as non-hazardous.
<b>Carcinogenicity</b>	This material has been classified as non-hazardous.
<b>Reproductive toxicity</b>	This material has been classified as non-hazardous.
<b>Developmental toxicity</b>	This material has been classified as non-hazardous.

## SECTION 12 ECOLOGICAL INFORMATION

Avoid contaminating waterways.

<b>Acute aquatic hazard</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L
<b>Long-term aquatic hazard</b>	This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.
<b>Ecotoxicity</b>	No information available.
<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulative potential</b>	No information available.
<b>Mobility</b>	No information available.

## SECTION 13 DISPOSAL CONSIDERATIONS

#### Waste treatment methods

<b>Product / packaging disposal</b>	Recycle containers whenever possible. Product residues and containers should be disposed of in accordance with local government regulations.
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## SECTION 14 TRANSPORT INFORMATION

<b>Road and Rail Transport</b>	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
<b>Marine Transport</b>	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
<b>Air Transport</b>	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA Code) Dangerous Goods Regulations for transport by air.

## SECTION 15 REGULATORY INFORMATION

#### This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

#### This material/constituent(s) is covered by the following requirements:

- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

## SECTION 16 OTHER INFORMATION

Contact Point: Poisons Information Centre Tel 13 11 26

#### DISCLAIMER:

All information appearing herein is based upon data obtained from raw material manufacturers and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the control of Vardon Industries Pty Ltd and therefore the users are responsible to verify this data under their own particular conditions of use, applications and regulations to determine whether the product is suitable for their particular purpose and they assume all risks of their use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

End of SDS