





## SAFETY DATA SHEET

### “PURA CHOICE” GLASS & SURFACE CLEANER CONCENTRATE

SECTION 1 – PRODUCT IDENTIFICATION			
Product Name:	“PURA CHOICE” GLASS & SURFACE CLEANER CONCENTRATE		
Distributor:	Rubbedin Pty Ltd		
Address:	Unit 1/43 Neumann Road Capalaba QLD 4157		
Regular Phone No:	(07) 3245 3255	FAX:	(07) 3245 2554
Emergency Phone No:	0405358685	Email:	<a href="mailto:info@rubbedin.com.au">info@rubbedin.com.au</a>
Substance:	Water based liquid	Product Use:	Neutral cleaning solution.
Product Code:	65-100 PCG		

SECTION 2 – HAZARDS IDENTIFICATION		
Classification of the substance or mixture		
GHS7 Classification	Product AS SOLD (neat) 65-100 PCG	Product at USE DILUTION (1:5) 65-500 PCG
ADG Code	This product is <b>NOT</b> classified as Dangerous Goods according to the Australian Dangerous Goods Code.	This product is <b>NOT</b> classified as Dangerous Goods according to the Australian Dangerous Goods Code.
Poisons Schedule	This product is <b>NOT</b> classified as a Scheduled Poison according to the SUSMP.	This product is <b>NOT</b> classified as a Scheduled Poison according to the SUSMP.
GHS Classification	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. <ul style="list-style-type: none"> <li>• Eye Irritation Category 2A</li> <li>• Flammable Liquids Category 3</li> </ul>	Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. <ul style="list-style-type: none"> <li>• Flammable Liquids Category 4</li> </ul>
Label elements		
	Product AS SOLD (neat) 65-100 PCG	Product at USE DILUTION (1:5) 65-500 PCG
GHS label pictograms	GHS 07  GHS02 	None allocated
Signal word	<b>WARNING</b>	<b>WARNING</b>
Hazard statement(s)		
	Product AS SOLD (neat) 65-100 PCG	Product at USE DILUTION (1:5) 65-500 PCG
<b>H319</b>	Causes serious eye irritation.	
<b>H226</b>	Flammable liquid and vapour.	<b>H227</b> - Combustible liquid.
Precautionary statement(s): Prevention		
	Product AS SOLD (neat) 65-100 PCG	Product at USE DILUTION (1:5) 65-500 PCG
<b>P264</b>	Wash hands and skin thoroughly after handling.	
<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
<b>P210</b>	Keep away from heat/sparks/open flames/hot surfaces — No smoking.	Keep away from heat/sparks/open flames/hot surfaces — No smoking.
<b>P233</b>	Keep container tightly closed.	
<b>P240</b>	Ground and bond container and receiving equipment.	



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<b>P241</b>	Use explosion-proof [electrical/ventilating/lighting/...] equipment.	
<b>P242</b>	Use non-sparking tools	
<b>P243</b>	Take action to prevent static discharges.	
<b>Precautionary statement(s): Response</b>		
	<b>Product AS SOLD (neat) 65-100 PCG</b>	<b>Product at USE DILUTION (1:5) 65-500 PCG</b>
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
<b>P337 + P313</b>	If eye irritation persists: Get medical advice/attention.	
<b>P303+P361+P353</b>	– IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].	
<b>P370+P378</b>	In case of fire: Use carbon dioxide (CO <sub>2</sub> ) fire extinguisher, water fog or alcohol resistant foam or fine water spray to extinguish.	In case of fire: Use carbon dioxide (CO <sub>2</sub> ) fire extinguisher, water fog or alcohol resistant foam or fine water spray to extinguish.
<b>Precautionary statement(s): Storage</b>		
	<b>Product AS SOLD (neat) 65-100 PCG</b>	<b>Product at USE DILUTION (1:5) 65-500 PCG</b>
<b>P403+P235</b>	Store in a well-ventilated place. Keep cool.	Store in a well-ventilated place. Keep cool.
<b>Precautionary statement(s): Disposal</b>		
	<b>Product AS SOLD (neat) 65-100 PCG</b>	<b>Product at USE DILUTION (1:5) 65-500 PCG</b>
<b>P501</b>	Dispose of contents/ container in accordance with local regulations.	Dispose of contents/ container in accordance with local regulations.
<b>Note</b>		
<b>IMPORTANT</b>	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. Good hygiene and housekeeping practices should be adhered to.	

### SECTION 3 – INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Ethanol	64-17-5	10 – 30 % w/w
D-Glucopyranose, oligomers, decyl octyl glycosides	68515-73-1	<10% w/w
Alkylpolyglycoside C10-16 Lauryl glucoside	110615-47-9	<10% w/w
Ingredients determined to be non-hazardous at the concentrations used.	Various	to 100%

NOTE: Ingredients determined not to be hazardous are present in concentrations that do not exceed the relevant cut-off concentrations as found from NOHSC publication “List of Designated Hazardous Substances” or have been found NOT to meet the criteria of a hazardous substance as defined in the NOHSC publication “Approved Criteria for Classifying Hazardous Substances”, or have been found NOT to meet the criteria of a dangerous substance as defined in the GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS (GHS) , 4th edition United Nations 2011. Listed ingredients may be below the cut-off concentrations for classification as hazardous, but are listed for information purposes and for additive effects.

### SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities</b>	Normal washroom facilities.
<b>Skin contact</b>	Wash skin with plenty of water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness develops.



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<b>Eye contact</b>	Immediately irrigate with water for at least 20 minutes. Eyelids to be held open. Seek medical advice (e.g. ophthalmologist) if any irritation persists.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor).
<b>Inhalation</b>	Remove victim to fresh air away from exposure - avoid becoming a casualty. Seek medical advice (e.g. doctor) if symptoms persist.
<b>Advice to Doctor</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient.
<b>Aggravated Medical Conditions</b>	None known.

#### SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Water/alcohol based. Product may flash but not sustain a fire. In use, may form flammable/explosive vapour-air mixture. If involved in a fire will emit toxic fumes
<b>Extinguishing Media</b>	Use carbon dioxide (CO <sub>2</sub> ) fire extinguisher, dry chemical, foam, water fog or fine water spray.
<b>Fire Fighting</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area - move upwind of fire.
<b>Flash Point</b>	Ca 35° C – does not support combustion due to water content.

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Emergency Procedures</b>	No HAZCHEM code.
<b>Occupational Release</b>	Minor spills do not normally need any special clean-up measures. In the event of a major spill, prevent spillage from entering drains or water courses. For large spills, or tank rupture, consider initial evacuation distance of 200 metres in all directions. Stop leak if safe to do so. If available, use water spray to disperse vapour. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Residual deposits will remain slippery. Wash area down with excess water. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a large spillage notify the local environment protection authority or emergency services.

#### SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with water after handling.
<b>Storage</b>	Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from incompatible materials (Section 10). Keep containers closed at all times – check regularly for leaks.




#### SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	National Occupational Exposure Limits, as published by Safe Work Australia: <b>Time-weighted Average (TWA):</b> None established for specific product. <b>Short Term Exposure Limit (STEL):</b> None established for specific products. Exposure Limits of individual ingredients. <ul style="list-style-type: none"> <li>• <b>Ethanol:</b> TWA: 1000 ppm, 1880 mg/m<sup>3</sup></li> </ul>
<b>Engineering Controls</b>	No special requirements.



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<b>Personal Protective Equipment</b>	Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. Final choice of appropriate protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. The following protective equipment should be available;
<b>Eye Protection</b> 	Generally, not required to handle diluted solutions as per label directions. The use of safety glasses with side shield protection, goggles or face shield is recommended to handle in quantity, cleaning up spills, decanting, etc. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.
<b>Skin Protection</b>  	Generally, not required to handle diluted solutions as per label directions. Overalls, work boots and elbow length gloves are recommended for handling the concentrated product (as per AS/NZS 2161, or as recommended by supplier) to handle in quantity, cleaning up spills, decanting, etc.
<b>Protective Material Types</b>	Material suitable for detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.
<b>Respirator</b>	Generally not required for normal cleaning operations.

#### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid	<b>Colour</b>	Straw
<b>Odour</b>	Fragrant	<b>Specific Gravity</b>	0.97 – 0.99 @ 25 °C
<b>Boiling Point</b>	Approximately 100 °C	<b>Freezing Point</b>	Approximately 0 °C
<b>Vapour Pressure</b>	Not available	<b>Vapour Density</b>	Not available
<b>Flash Point</b>	Ca 36° C, does not support combustion	<b>Flammable Limits</b>	Ethanol 3.5 – 19% v/v
<b>Water Solubility</b>	Miscible in all proportions	<b>pH</b>	5.5 – 6.0 neat
<b>Volatile Organic Compounds (VOC)</b>	Ca 20 % v/v	<b>Coefficient of Water/Oil Distribution</b>	Not available
<b>Viscosity</b>	Not available	<b>Odour Threshold</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Per Cent Volatile</b>	Ca 99 % v/v

#### SECTION 10 – STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable at normal temperatures and pressure.
<b>Conditions to Avoid</b>	Avoid contact with flames, heat or hot sources
<b>Incompatible Materials</b>	Oxidising agents.
<b>Hazardous Decomposition</b>	Product can decompose on combustion to form Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours.
<b>Hazardous Reactions</b>	None known.

#### SECTION 11 – TOXICOLOGICAL INFORMATION

##### POTENTIAL HEALTH EFFECTS

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:

##### Ingestion

**short term exposure** Ingestion of this product may cause nausea, vomiting, abdominal pain and irritation to the mouth, throat and stomach. Ethanol content may affect behavior (central nervous system depression, depression) and metabolism.

**long term exposure** No information available.

##### Skin contact



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<b>short term exposure</b>	Generally, not irritating in contact with skin. Prolonged contact with concentrated solutions may cause irritation in certain individuals.
<b>long term exposure</b>	Prolonged and repeated skin contact with undiluted solutions may induce eczematoid dermatitis.
<b>Eye contact</b>	
<b>short term exposure</b>	Eye contact may cause stinging, blurring, tearing, pain.
<b>long term exposure</b>	No information available.
<b>Inhalation</b>	
<b>short term exposure</b>	Inhalation of mists or aerosols may produce mucous membrane and respiratory irritation.
<b>long term exposure</b>	No information available.
<b>Carcinogen Status</b>	
<b>SWA</b>	No significant ingredient is classified as carcinogenic by SWA.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	Alcoholic beverages are classified by the International Agency for Research on Cancer (IARC) as a Group 1 carcinogen (carcinogenic to humans). IARC classifies alcoholic beverage consumption as a cause of female breast, colorectal, larynx, liver, esophagus, oral cavity, and pharynx cancers; and as a probable cause of pancreatic cancer.
<b>Respiratory sensitisation</b>	Not expected to be a respiratory sensitizer.
<b>Skin Sensitisation</b>	Not expected to be a skin sensitizer.
<b>Germ cell mutagenicity</b>	Not considered to be a mutagenic hazard.
<b>Reproductive Toxicity</b>	Not considered to be toxic to reproduction.
<b>STOT-single exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>STOT-repeated exposure</b>	Not expected to cause toxicity to a specific target organ.
<b>Aspiration Hazard</b>	Not expected to be an aspiration hazard.

#### SECTION 12 – ECOLOGICAL INFORMATION

<b>Acute Aquatic Toxicity Product (as sold)</b>	Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (Calculated) Fish LC50: >100 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS
<b>Acute Aquatic Toxicity Product (at use dilution 1:100 rinse)</b>	Not harmful to aquatic life. LC50 > 100mg/L. Acute Aquatic Toxicity (Calculated) Fish LC50: >100 mg/L. Acute Aquatic Toxicity NOT HAZARDOUS
<b>Persistence and degradability</b>	Readily biodegradable, based on ingredients.
<b>Bio accumulative potential</b>	No bioaccumulation is expected.
<b>Mobility in soil</b>	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.
<b>Other adverse effects</b>	Not available
<b>Environmental Protection</b>	Do not discharge this material into waterways.

#### SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Disposal</b>	The small quantities contained in wash solutions (when used as directed) can generally be handled by conventional sewage systems, septics, and grey water systems. To dispose of quantities of undiluted product, refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. As with any chemical, do not put down the drain in quantity. For larger scale use, eg. Commercial laundry operations, a recycled water system is often recommended, or Trade Waste License obtained for disposal to sewer.
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#### SECTION 14 – TRANSPORT INFORMATION

Labels Required			
ADG	Not classified as Dangerous Goods.		
IMDG Marine Pollutant	No		
HAZCHEM	None allocated		
Land Transport (ADG)			
UN Number	none allocated	ADG Classification	none allocated
Shipping Name	none allocated	ADG Subsidiary Risk	none allocated
Hazchem Code	none allocated	Packing Group	none allocated
Packaging Method	none allocated	Special Provisions	none allocated
Segregation	none allocated		

#### SECTION 15 – REGULATORY INFORMATION

GHS Classification	This product is classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
SUSMP	This product is <b>NOT classified as a Scheduled Poison</b> according to the SUSMP.
ADG Code	This product is <b>NOT classified as Dangerous Goods</b> according to the Australian Dangerous Goods (ADG) Code
AICS	All ingredients present on AICS.

#### SECTION 16 – OTHER INFORMATION

Issue Date	17 <sup>th</sup> August 2021
Version Number	V 1.1 – GHS7 classification
Abbreviations and acronyms	<p><b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p><b>AICS:</b> Australian Inventory of Chemical Substances.</p> <p><b>CAS Number:</b> Chemical Abstracts Service Registry Number.</p> <p><b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services.</p> <p><b>HSIS:</b> Hazardous Substances Information System</p> <p><b>IARC:</b> International Agency for Research on Cancer.</p> <p><b>NOHSC:</b> National Occupational Health and Safety Commission.</p> <p><b>NTP:</b> National Toxicology Program (USA).</p> <p><b>SDS:</b> Safety Data Sheet</p> <p><b>STEL:</b> Short Term Exposure Limit.</p> <p><b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p><b>TWA:</b> Time Weighted Average.</p> <p><b>UN Number:</b> United Nations Number.</p>
Literature references	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice ( Safe Work Australia)</p> <p>GHS Hazardous Chemical Information List (Safe Work Australia)</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS)</p> <p>“Australian Exposure Standards”. Safework Australia</p> <p>Australian Code For The Transport Of Dangerous Goods By Road And Rail</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Material Safety Data Sheets – individual raw materials – Suppliers</p> <p>HSIS – Hazardous Substance Information System – National Safe Work Australia Data Base.</p>



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	HCIS – Hazardous Chemical Information System – National Safe Work Australia Data Base. ECHA – European Chemicals Agency
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This SDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this SDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.

The SDS is valid for five years from date of issue but may be withdrawn and revised at any time prior to that date. All information contained in the Data Sheet is as accurate as possible at the time of issue. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. No expressed or implied warranties nor any responsibility for damages resulting from use of the information are given other than those implied mandatory by Commonwealth, State or Territory Legislation. If this product is to be re-packaged by others, it will be necessary for a new SDS to be generated by the re-packer.

**End of SDS**