



SAFETY DATA SHEET
Juice Crystal Glass Cleaner

According to Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, 2011

SECTION 1: Identification: Product Identifier and Chemical Identity

Product Identifier

Product name Juice Crystal Glass Cleaner
Product no. JPCGC500

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

Application Window glass cleaner
Uses advised against For professional use only. This product is not recommended for any other industrial, professional or consumer use other than specified above.

Details of the supplier of the Safety Data Sheet

Supplier Sydney Automotive Paint and Equipment Pty Ltd
Unit A3, 366 Edgar Street
Condell Park
NSW 2200
Australia
Tel: +61 2 9772 9000
Email: reception@sape.com.au
www.juicepolishes.com.au
www.sape.com.au

NZ Distributor Resene Automotive & Light Industrial
4 Te Apunga Place
Sylvia Park
Auckland
NZ 1641
Tel: +64 9 259 2738
www.resene.co.nz

Emergency Information

Emergency telephone NZ Poison Information Centre 0800 764 766 or +64 3 479 7248
General medical information +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)
Transport information +61 2 9772 9000 (Mon to Fri, 08:00-16:00 AEST)

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SECTION 2: Hazard(s) Identification

Classification of the substance or mixture

Physical and health hazards Not classified as hazardous according to New Zealand Hazardous Substances (Minimum Degrees of Hazard) Regulations, 2001

Not classified as a dangerous good according to NZS 5433:2012, Transport of Dangerous Goods on Land, UN, IMDG and IATA.

HSNO Classification Not classified as hazardous.

Environmental hazards Not classified

Label elements

GHS hazard symbols Not classified

GHS signal word Not classified

Hazard statements Not classified

Precautionary statements Not classified

Given for information only:

P261 – Avoid breathing spray.

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 – Dispose of contents/container in accordance with national regulations.

Other hazard information

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition and Information on Ingredients

The product is a mixture.

2-Butoxyethanol CAS number 111-76-2	GHS Hazardous: Y	5<10%
Ethanol CAS number 64-17-5	GHS Hazardous: Y	3<5%
Propan-2-ol CAS number 67-63-0	GHS Hazardous: Y	0.5<0.7%
Butanone CAS number 78-93-3	GHS Hazardous: Y	0.5<0.7%

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SECTION 4: First Aid Measures

Description of first aid measures

General information	Get medical attention if any discomfort continues. Show this Safety Data Sheet to any medical personnel.
Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Ingestion	Rinse mouth thoroughly with water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin Contact	Remove affected person from source of contamination. Rinse immediately with plenty of water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 10 minutes.
Protection of first aiders	First aid personnel should wear appropriate protective equipment during any rescue.

Most important symptoms and effects, both acute and delayed

General information	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	Prolonged inhalation of high concentrations may damage respiratory system.
Ingestion	Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.
Skin contact	Prolonged contact may cause dryness of the skin.
Eye contact	May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
Specific treatments	No special treatment required.

SECTION 5: Fire Fighting Measures

Extinguishing media

Suitable extinguishing media	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

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Special hazards arising from the substance or mixture

Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up.

Hazardous combustion products Thermal decomposition or combustion products may include harmful gases or vapours.

Advice for firefighters

Protective actions Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to Australia/New Zealand Standards AS/NZS 4967 (for clothing) AS/NZS 1801 (for helmets), AS/NZS 4821 (for protective boots), AS/NZS 1801 (for protective gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental Release Measures

Precautions, protective equipment and emergency procedures

Personal precautions No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage.

Environmental precautions Avoid discharge to the aquatic environment. Large Spillages: Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).

Methods and material for containment and cleaning up

Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Approach the spillage from upwind. Small Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. Large Spillages: If leakage cannot be stopped, evacuate area. Flush spilled material into an effluent treatment plant, or proceed as follows. Contain and absorb spillage with sand, earth or other non-combustible material. Place waste in labelled, sealed containers. Clean contaminated objects and areas thoroughly, observing environmental regulations. The contaminated absorbent may pose the same hazard as the spilled material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Reference to other sections

Reference to other sections For personal protection, see Section 8.

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SECTION 7: Handling and Storage

Precautions for safe handling

Usage precautions

Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists.

Occupation hygiene

Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

Conditions for safe storage, including any incompatibilities

Storage precautions

Store in accordance with local regulations.

Storage class

Chemical storage.

Specific end use(s)

Specific end use

The identified uses for this product are detailed in Section 1.

SECTION 8: Exposure Controls and Personal Protection

Occupational exposure limits

2-Butoxyethanol

Long-term exposure limit (8-hour TWA): 20 ppm 96.9 mg/m³

Short-term exposure limit (15-minute): 50 ppm 242 mg/m³

Absorption through the skin may be a significant source of exposure.

Ethanol

Long-term exposure limit (8-hour TWA): 1000 ppm 1880 mg/m³

Propan-2-ol

Long-term exposure limit (8-hour TWA): 400 ppm 983 mg/m³

Short-term exposure limit (15-minute): 500 ppm 1230 mg/m³

Butanone

Long-term exposure limit (8-hour TWA): 150 ppm 445 mg/m³ NOHSC

Short-term exposure limit (15-minute): 300 ppm 890 mg/m³ NOHSC

Exposure controls

Protective equipment



Engineering controls

Provide adequate ventilation. Good general ventilation should be adequate to control worker exposure to airborne contaminants.

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Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with Australia/New Zealand Standard AS/NZS 1337. Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with Australia/New Zealand Standard AS/NZS 2161. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
Other skin and body protection	Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
Hygiene measures	Provide eyewash station and safety shower. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.
Respiratory protection	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Provide adequate ventilation. Large spillages: if ventilation is inadequate, suitable respiratory protection must be worn.
Environmental exposure control	Not regarded as dangerous to the environment.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light blue.
Odour	Characteristic.
pH	Not applicable.
Melting point	< 0°C
Initial boiling point and range	> 100°C
Flash point	No information available.
Other flammability	This product does not sustain combustion, according to the sustained combustibility test L.2, Part III, section 32 of the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria.
Viscosity	~ 1 cSt @20°C
Volatile organic compounds	This product contains a maximum VOC content of 12%.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

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SECTION 10: Stability and Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
Possibility of hazardous reactions	No potentially hazardous reactions known.
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
Hazardous decomposition	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include harmful gases or vapours.

SECTION 11: Toxicological Information

Information on toxicological effects

Toxicological effects	There is no evidence that the product can cause cancer.
Acute toxicity - oral	
Notes (oral LD ₅₀)	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	21,079.94
Acute toxicity - dermal	
Notes (dermal LD ₅₀)	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	17,836.87
Acute toxicity - inhalation	
Notes (inhalation LC ₅₀)	Based on available data the classification criteria are not met.
ATE inhalation (mg/kg)	178.37
Skin corrosion/irritation	
Animal data	Based on available data the classification criteria are not met.
Serious eye damage/irritation	
Serious eye damage/irritation	Based on available data the classification criteria are not met.
Respiratory sensitisation	
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity - in vitro	Based on available data the classification criteria are not met.

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Carcinogenicity

Carcinogenicity Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Reproductive toxicity - development Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

General information

No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion

Gastrointestinal symptoms, including upset stomach. Fumes from the stomach contents may be inhaled, resulting in the same symptoms as inhalation.

Skin Contact

Prolonged contact may cause dryness of the skin.

Eye contact

May cause temporary eye irritation.

Route of entry

Ingestion Inhalation Skin and/or eye contact

Target organs

No specific target organs known.

Medical symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical considerations

Not known.

Toxicological information on ingredients

2-Butoxyethanol

Acute toxicity – oral	Acute toxicity oral (LD ₅₀ mg/kg)	1,300.0	Rat
	ATE oral (mg/kg)	1,300.0	

Acute toxicity - dermal	Acute toxicity dermal (LD ₅₀ mg/kg)	2,270.0	Rat
	ATE dermal (mg/kg)	1,100.0	

Acute toxicity - inhalation	ATE inhalation (vapours mg/l)	11.0
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Skin sensitisation Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro Negative. This substance has no evidence of mutagenic properties

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Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Reproductive toxicity

Reproductive toxicity - fertility Fertility - NOAEL 720 mg/kg, Mouse

Reproductive toxicity - development Developmental toxicity - NOAEL 100 mg/kg, Rat

Propan-2-ol

Acute toxicity – oral Acute toxicity oral (LD₅₀ mg/kg) 5,840.0 Rat

Acute toxicity - dermal Acute toxicity dermal (LD₅₀ mg/kg) 16.4 Rabbit

Acute toxicity - inhalation ATE inhalation (vapours mg/l) 11.0

Respiratory sensitisation Not sensitising.

Skin sensitisation No sensitising.

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

Inhalation Drowsiness, dizziness, disorientation, vertigo.

Ingestion No specific health hazards known.

Skin contact No specific health hazards known.

Eye contact Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

Toxicity Based on available data the classification criteria are not met.

Persistence and degradability The degradability of the product is not known.

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

Mobility in soil The product is soluble in water and may spread in the aquatic environment. The product is non-volatile.

PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Other adverse effects None known.

Ecological information on ingredients

2-Butoxyethanol

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Ecotoxicity	Not regarded as dangerous for the environment.
Acute toxicity-fish	LC ₅₀ , 96 hours: > 100 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity-aquatic invertebrates	EC ₅₀ , 48 hours: 1550 mg/l, Daphnia magna
Acute toxicity-aquatic plants	EC ₅₀ : >100 mg/l
Acute toxicity-microorganisms	EC ₅₀ : >1000 mg/l
Chronic toxicity-fish early life stage	NOEC, 21 days: >100 mg/l
Chronic toxicity-aquatic invertebrates	NOEC, 21 days: >100 mg/l, daphnia magna
Persistence and biodegradability	The product is biodegradable.
Biodegradation	Water- degradation (%) 90.4: 28 days
Bioaccumulative potential	The product is not bioaccumulating.
Partition coefficient	log Pow: 0.05
Mobility in soil	The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.
Adsorption/desorption coefficient	Water – Koc: ~67
Henry's Law constant	0.000016 atm m ³ /mol
Surface tension	65mN/m
<u>Propan-2-ol</u>	
Ecotoxicity	The product is not expected to be hazardous to the environment.
Acute toxicity-fish	LC ₅₀ , 96 hours: > 9640 mg/l, Pimephales promelas (Fat-head minnow)
Acute toxicity-aquatic invertebrates	EC ₅₀ : > 1000 mg/l, daphnia magna
Acute toxicity-aquatic plants	EC ₅₀ , 72 hours : >1000 mg/l, Scenedesmus subspicatus
Acute toxicity-microorganisms	EC ₅₀ : >1000 mg/l, activated sludge
Persistence and biodegradability	The product is expected to be biodegradable.
Biodegradation	Degradation (%) 95: 21 days
Biological oxygen demand	~1171 g O ₂ /g substance
Chemical oxygen demand	~2294 g O ₂ /g substance
Mobility in soil	The product is water soluble.
Adsorption/desorption coefficient	Water – Koc: ~1.1
Henry's Law constant	0.00000338 atm m ³ /mol @25°C

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SECTION 13: Disposal Considerations

Waste treatment methods

General information

The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Disposal of this product, process solutions, residues and by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any local authority requirements.

Disposal methods

Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority.

SECTION 14: Transport Information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN number

Not applicable.

UN proper shipping name

Not applicable.

Transport hazard class(es)

No transport warning sign required.

Packing group

Not applicable.

Environmentally hazardous substance/marine pollutant

No

Special precautions for user

Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory Information

Inventories

Australia – AIC

All the ingredients are listed or exempt.

NZIoC

All the ingredients are listed or exempt.

HSNO Approval Code

Not assigned, non-hazardous

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SECTION 16: Any Other Relevant Information

General information	This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems. Only trained personnel should use this material.
Training advice	Read and follow manufacturer's recommendations. Only trained personnel should use this material.
Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
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