

ULTRA SPRAY & WIPE

Safety Data Sheet

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: **SPRAY & SHINE ULTRA**

Synonyms

Concentrated Antibacterial Glass and Multi-Purpose Cleaner

Product Code

Recommended use: Glass and multi-purpose cleaner

Supplier Name CLEAN PLUS CHEMICALS PTY LTD

Address 16 George Young Street AUBURN NSW 2144

Telephone 02 9738 7444

Emergency 1800 201 700

Email customerservice@cleanplus.com.au

Web Site www.cleanplus.com.au

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2. HAZARDS IDENTIFICATION

Hazardous according to the criteria of GHS and Safe Work Australia.



Signal Word

Danger

Hazard Classifications

Flammable liquids - Category 2

Serious eye damage/Irritation - Category 1

Skin corrosion/irritation – Category 2

Hazard Statements

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H315 Causes skin irritation

Prevention Precautionary Statements

P102 Keep out of reach of children.

P103 Read label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P235 Keep cool.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical, ventilating, lighting and all other equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe mist, vapour/spray.

P264 Wash hands, face and all exposed skin thoroughly after handling.

P280 Wear protective clothing, gloves, eye/face protection and suitable respirator.

Response Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.
P370+P378 In case of fire: Use CO₂, alcohol resistant foam or dry agents to extinguish
P362 Take off contaminated clothing and wash before reuse.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P304 + P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

Storage Precautionary Statement

P405 Store locked up.
P403 Store in a well-ventilated place.

Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local, regional, national and international regulations.

Classification of Diluted Product:

Recommended maximum concentration: 1:80

Not classified as hazardous

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Ethanol	64-17-5	30 – 60%
Alcohols, C12-14, ethoxylated	68439-50-9	10 - 30%
Benzalkonium chloride	8001-54-5	<10%
Dipropylene glycol monomethyl ether	34590-94-8	10 – 30%
Fragrance	Not available	<10%
Ingredients determined to be non-hazardous		Balance

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126).

Inhalation: Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.

Eye contact: Hold eyelids apart and immediately irrigate with copious quantities of water for 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Urgently seek medical assistance.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. Seek medical advice.

Notes to physician: Treat symptomatically. Can cause corneal burns.

5. FIRE FIGHTING MEASURES

Hazchem Code: •2YE

Suitable extinguishing media: If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).

Specific hazards: Flammable liquid. May form flammable vapour mixtures with air. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Electrical requirements for work area should be assessed according to AS3000. Vapour may travel a considerable distance

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to source of ignition and flash back. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke.

Firefighting further advice: As in any fire, wear self-contained breathing apparatus and suitable protective clothing including gloves and eye/face protection. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. On burning may emit toxic fumes, including those of carbon dioxide and carbon monoxide. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Normal firefighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.

LARGE SPILLS

Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.

Dangerous Goods – Initial Emergency Response Guide No: 14

7. HANDLING AND STORAGE

Handling: Avoid eye contact and skin contact. Avoid inhalation of dust, vapour, mist or aerosols. Wear protective gloves/protective clothing/eye protection/face protection. At work do not smoke, eat or drink when handling product.

Storage: Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Store locked up. Keep container standing upright. Keep containers closed when not in use - check regularly for leaks. Store in accordance with local and national regulations. Keep only in original packaging

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits:

	TWA		STEL		NOTICES
	ppm	mg/m3	ppm	mg/m3	
Ethanol	1000	1880	250	328	-
Dipropylene glycol monomethyl ether	10	308	30		

As published by Safe Work Australia.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

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If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering Measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well-ventilated areas. Use with local exhaust ventilation or while wearing appropriate respirator.

Personal Protection Equipment: RUBBER BOOTS, OVERALLS, GLOVES, APRON, FACE SHIELD, MASKS.

MANUFACTURING, PACKAGING AND TRANSPORT: Wear safety shoes, overalls, gloves, chemical goggles. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

If risk of inhalation of exists, wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

RECOMMENDATIONS FOR CONSUMER USE: Wear safety glasses and gloves. Wash hands after use.

Hygiene measures: Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Base Units:	Litres
Form:	Clear, thin liquid
Colour:	Yellow
Odour:	Floral fresh
Solubility:	Soluble in water.
Specific Gravity (20 °C):	0.84 – 0.88
pH:	7.0 – 9.0
Viscosity:	N Av
Relative Vapour Density (air=1):	N Av
Vapour Pressure (20 °C):	N Av
Flammability Liquid:	Flammable
Flash Point (°C):	~21C
Sustained combustion:	Not determined
Lower and upper explosion limit/flammability limit%	Not determined
Autoignition Temperature (°C):	Not determined
Decomposition Point (°C):	Not applicable
Total VOC (g/Litre):	N Av

(Typical values only - consult specification sheet) N Av = Not available, N App = Not applicable

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal storage and use conditions.

Conditions to avoid: Elevated temperatures and sources of ignition.

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Incompatible materials: Incompatible with strong oxidising agents.

Hazardous decomposition products: Carbon monoxide and carbon dioxide.

Hazardous reactions: Stable under normal storage and use conditions.

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

Inhalation: Material may be an irritant to mucous membranes and respiratory tract. (Ethanol). May cause respiratory irritation in some persons (Benzalkonium chloride)

Skin contact: Contact with skin may result in irritation. (Lauryl alcohol polyethylene glycol ether). Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis. (Ethanol).

Skin contact with the material may be harmful; systemic effects may result following absorption. The material can produce chemical burns following direct contact with the skin. (Benzalkonium chloride).

Ingestion: Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. ((Ethanol, Benzalkonium chloride).

Eye contact: Can produce chemical burns to the eye following direct contact. Vapours or mists may be extremely irritating. (Benzalkonium chloride).

Causes serious eye damage. (Lauryl alcohol, polyethylene glycol ether). Causes serious eye irritation. (Ethanol).

Acute toxicity

Inhalation: Ethanol: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >20 mg/L.

Benzalkonium chloride: can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.

Lauryl alcohol, polyethylene glycol ether: may cause respiratory irritation.

Skin contact: Ethanol: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg.

Benzalkonium chloride: Dermal (rabbit) LD50: 1.709 mg/kg

Ingestion: Ethanol: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg.

Benzalkonium chloride: LD50, rats: 280-305 mg/kg.

Corrosion/Irritancy: Ethanol, Eye: this material has been classified as a Category 2 Hazard (reversible effects to eyes. Skin, this material has been classified as not corrosive or irritating to skin.

Sensitisation: Ethanol, Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: not classified

Aspiration hazard: Ethanol, Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: No information.

Specific target organ toxicity (single exposure): Ethanol, Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: Not classified.

Specific target organ toxicity (repeated exposure): Ethanol, Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: Not expected to cause serious damage to health from repeated (oral/dermal) exposure

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Chronic Toxicity

Mutagenicity: Ethanol: This material has been classified as non-hazardous.
Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: No information available.

Carcinogenicity: Ethanol, Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: None

Reproductive toxicity (including via lactation): Ethanol, Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: None

Specific target organ toxicity (repeated exposure): Ethanol, Benzalkonium chloride, Lauryl alcohol, polyethylene glycol ether: None

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard: Ethanol: This material has been classified as Non-hazardous. ATE (based on ingredients): >100 mg/L.

Long-term aquatic hazard: Ethanol: A This material has been classified as Non-hazardous TE (based on ingredients): >100 mg/L.

Ecotoxicity: No information available.

Persistence and degradability: Ethanol, Lauryl alcohol, polyethylene glycol ether: Readily biodegradable.

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible, material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail".



ADG, IMO/IMDG, ICAO/IATA

Classified as Dangerous Goods by the criteria of ADG, IMO/IMDG, ICAO/IATA

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UN No:	1170
Proper Shipping Name:	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Transport Hazard Class (and subsidiary risks):	3
Packing Group	II
Marine Pollutant:	No
EmS:	F-E, S-D

15. REGULATORY INFORMATION

National Regulations: Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by Safe Work Australia.

Poison Schedule: A poison schedule number has not been allocated to this product using the criteria of the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP), established under the Therapeutic Goods Act (Commonwealth).

Classification: Globally Harmonised System of Classification and Labelling of Chemicals (GHS) as published by SafeWork Australia.

Inventory Listing: Australian Inventory of Industrial Chemicals. All components are listed on the inventory or are Exempt.

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)

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

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
- All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

This Safety Data Sheet document has been compiled by Clean Plus Chemicals. Further clarification regarding any aspect of this product should contact Clean Plus Chemicals directly. While Clean Plus Chemicals has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, Clean Plus Chemicals accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person because of their reliance on the information contained in this SDS.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Clean Plus Chemicals report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Clean Plus Chemicals report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

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ABBREVIATIONS:

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EINECS - European Inventory of Existing Commercial Substances.

GHS – Globally Harmonized System

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m³ - Milligrams per cubic meter.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

ACGIH - American Conference of Governmental Industrial Hygienists

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

ATE - Acute Toxicity Estimate

LC50 - Lethal Concentration, 50% / Median Lethal Concentration

LD50 - Lethal Dose, 50% / Median Lethal dose

STOT-RE - Specific target organ toxicity (repeated exposure)

STOT-SE - Specific target organ toxicity (single exposure)

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15-minute period which should not be exceeded at any time during a normal eight-hour workday.

Peak Limitation - a ceiling concentration that should not be exceeded over a measurement period, which should be as short as possible, but not exceeding 15 minutes.

End of Safety Data Sheet