

# SAFETY DATA SHEET

Prepared according to GHS Regulations and Code of Practice

## Allegro

### Section 1 IDENTIFICATION. Product identifier & chemical identity

Product Name ALLEGRO  
Other Names No other names  
Product Code A1  
Current Edition 1<sup>st</sup> January 2018  
Review 2023

Summary Allegro is a translucent,, one process potassium hydroxide detergent liquid comprising, distilled/ demineralised water, potassium hydroxide, chelating and sequestering agents, food grade and environmentally enhanced poly-surfactant, rinse aid.

Recommended use In a cleaning regime in either an ambient or hot (<60°C)aqueous solution of a circulatory pressure spray-washing system to remove wine tartar residues, fresh protein, wine or fruit surface colour and all other organic acid soils from stainless steel and all other associated hard surfaces.

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### Section 2 HAZARDS IDENTIFICATION.

Classification This material is hazardous according to Safe Work Australia;  
HAZARDOUS SUBSTANCE. Corrosive



Label elements Signal words (GHS07): DANGER. WARNING

Physical Hazards H290: May be corrosive to soft metals

Health Hazards H302: May be harmful if swallowed  
H314: Causes severe skin burns & eye damage.

Precautionary statement(s)

P102: Keep out of reach of children  
P233: Keep container(s) tightly closed  
P234: Keep only in the original container  
P260: Do not breathe fumes, mist or vapours  
P264: Wash hands thoroughly after handling  
P270: Do not eat or drink when handling this product  
P280: Use personal protective equipment as recommended  
P310: If exposed, immediately call a POISON CENTRE or doctor/physician

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### Section 3 COMPOSITION & INFORMATION ON INGREDIENTS

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A mixture from	Distilled/demineralised water	CAS	7732-18-5
	Potassium hydroxide	CAS	1310-58-3
	Proprietary chelate-sequesterant		
	Proprietary non-ionic/amphoteric surfactant		
		<i>From biodegradable non-phosphated substances</i>	
		<i>Plant derived biodegradable blend</i>	
Further references	Chemical Abstract Service (CAS)		

### Section 4 FIRST AID MEASURES

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First Aid Facilities	Eye and hand washing station
Ingestion	The solid and its aqueous solution have a strongly caustic action. It is likely to cause a sore throat, diarrhoea, abdominal pain, nausea & vomiting. Rinse the mouth with water. Give water to drink. Do not induce vomiting. If vomiting occurs wash out the mouth with water provided the victim is conscious. <b>Seek immediate medical advice.</b>
Eye	Airborne mists or vapours can cause eye irritation. Extended contact will cause severe optic irritation. Immediately irrigate with copious amounts of water for at least 15 minutes while holding eyelids open. Seek Medical advice if irritation persists.
Skin	The liquid concentrate has a strong corrosive effect on skin. Prolonged contact of this material may lead to local redness, or itchiness with dermal burns on most skin types. Wash affected skin immediately with plenty of soap & water. Remove any contaminated clothing & wash before re-use. If irritation persists seek Medical advice.
Inhaled	Repeated or prolonged inhalation of dust will cause coughing fits. Remove the victim from the source of exposure to fresh air. Allow the patient to assume the most comfortable position. Keep the patient warm until fully recovered. Seek Medical advice if coughing persists.
Advice to Doctor	Treat symptomatically as for corrosive alkali exposure.
Health effects	From available information, no adverse effects are anticipated from occasional over-exposure.

### Section 5 FIRE FIGHTING MEASURES

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Specific hazards	Non-combustible liquid but a corrosive substance.
Fire-fighting advice	Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if there is a risk of exposure to the products of decomposition.
Extinguishing media	Not flammable, but if this material is involved in a fire use a water fog or fine water spray, foam, or dry agent such as carbon dioxide or dry chemical powder.
Hazchem	Emergency Action Code: 2R

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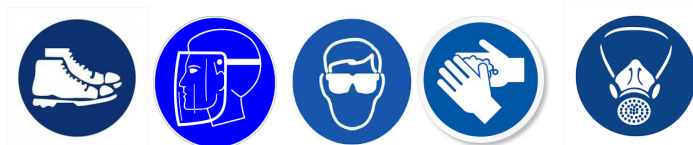
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### Section 6 ACCIDENTAL RELEASE MEASURES

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Ensure that the clean-up is conducted by trained personnel.  
Avoid creating splashes when removing the spilt material.  
Avoid breathing any existing vapour. Increase ventilation on site if mists or vapours are a problem.  
Wear appropriate protective equipment including boots, safety glasses with splash visor, chemical resistant gloves and an approved respirator for airborne mist or vapour.



Collect by brooming or wet vacuuming, mop or scoop, place and seal material in properly labelled containers or drums for disposal according to the local regulations.  
Wash-down affected area with plenty of water.  
Hard surface aqueous solutions may be slippery.

### Section 7 HANDLING & STORAGE

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- > Handle all packages with due care.
- > Avoid contact with the skin and eyes.
- > Store in a dry, ventilated, cool place (10-20°C), and away from incompatible materials and foodstuffs, and out of direct sunlight and away from heat.
- > Keep all containers sealed when the product is not in use to maintain quality and minimise hygroscopic action.
- > Check regularly for spillages or leaking containers.

### Section 8 EXPOSURE CONTROLS, PERSONAL PROTECTION

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#### Occupational Exposure Limits

No value has been assigned for this product by **SafeWork Australia**,  
(Safe Work Australia is an Australian Government statutory agency est.2009.)

#### Published NOHSC Exposure Standard(s) for this substance=.

Hazardous, corrosive liquids Peak Limitation: TWA (15mins) = 2mg/m<sup>3</sup>

#### TWA

Time weighted average airborne concentration over an 8 hour working day, for a 5 day working week over an entire working life.  
These exposure standards are only guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and/or dangerous concentrations of chemicals. They are not a measure of relative toxicity.

#### Engineering Control Measures

Ensure ventilation is adequate and that air/material concentrations are controlled below quoted Exposure Standards. Avoid generating airborne mists.

#### Personal Protective Equipment

Appropriate work clothing and shoes/boots, safety visor & glasses, chemical resistant gloves, mist/vapour mask/respirator (AS/NZS 1715,1716)

#### Other protective Measures

Always wash your hands before smoking, eating, drinking and using the toilet.  
Wash contaminated clothing and other protective equipment before storage or re-use.

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### Section 9 PHYSICAL & CHEMICAL PROPERTIES

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Physical state	Aqueous semi-viscous liquid
Colour	Translucent amber
Odour	Slight /typical
Molecular formula	A mixture - Not relevant
Melting Point	Aqueous solution. Not applicable
Solubility in Water	Complete, all proportions
Specific Gravity	Approx. 1.25 (water = 1.0)
Particle size Range	Not applicable
Flash Point (°C)	Not applicable. Non-flammable
pH range	13.0 - 13.25 (1% w/v aqueous soln.)
BP (°C)	95-100
Active components	45-50% avge

### Section 10 STABILITY & REACTIVITY

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This material is stable when stored and used as recommended.

As a concentrate it is corrosive toward aluminium and galvanised steel in aqueous solutions combined with a long continuous contact time (bath). It will effervesce strongly in contact with an acid. Polymerisation will not occur.

### Section 11 TOXICOLOGICAL INFORMATION

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No adverse health effects are expected if the product is handled in accordance with this safety data information and the product label.

Symptoms or effects that can arise if this product is mishandled are discussed in Section 4 – First Aid Measures as above. The product is an irritant for the eyes and may irritate the skin and respiratory tract.

Long term effects No information available for this product

Toxicological data	Aqueous Potassium hydroxide	Oral LD50 (rat)	365 mg/kg
		Optical (rabbit)	50mg/24hr
		Skin	1mg/hr
		Inhalation	No information

Carcinogenicity From available information, this substance is not classified as carcinogenic, and ,  
Mutagenicity Is non-mutagenic, non-teratogenic.

### Section 12 ECOLOGICAL INFORMATION

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Avoid contaminating the environment with concentrated material.  
Avoid disposal to natural waterways with concentrated non-neutralized solutions.

Degradability Aqueous solutions of this product are highly biodegradable (<30days)

Eco-toxicity In a dilute aqueous solution it is not expected to harm marine or aquatic life.

### Section 13 DISPOSAL CONSIDERATIONS

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Refer to the Waste Management Authority.  
Dispose of through a licensed waste contractor.



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Section 16

OTHER INFORMATION

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### REFERENCES

*Registry of Toxic Effects of Chemical Substances*

**D.Sweet, US Dept of Health and Human Services: Cincinatti 2003.**

*Approved Criteria for classifying Hazardous Substances,*

*National Code of Practice for the Labelling of Workplace Substances,*

*Preparation of Safety Data Sheets for **Hazardous** Chemicals*

*Managing Risks of **Hazardous** Chemicals in the Workplace*

**Safework Australia (National Occupational Health and Safety Commission)**

### APPROVALS and COMPLIANCE

#### Australia

The materials in Allegro assist companies to comply with the FSANZ (Food Standards Australia & New Zealand) Standard.

Allegro complies with the Dept. of Agriculture, Fisheries and Forestry (DAFF), Australian Quarantine Inspection Service (AQIS) and the Organic Federation of Australia (OFA) and affiliates approved substances for organic biodynamic food production.

The National Standard for Organic and biodynamic produce, Edition 3.4 of 1/7/2009

Item 9 – Retail/Wholesale/Export

Substances permitted for sanitation, storage handling, Page 56, Appendix 11, Annex A, Items 1, 3 and 4.

### DISCLAIMER

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of this product and general guidance on how to handle the material in the workplace.

If clarification or further information is needed, the user should contact us from the information in the Materials and Supplier information - Section 1, Page 1 herein.

This information is supplied in good faith, but since data, safety standards & Government regulations are subject to change, and, as the conditions of handling and use or misuse are beyond our control, we make no warranty, either express or implied, with respect to the completeness or accuracy of the information contained herein subsequent to the time of compilation.