

ALLEGRO

1 . Identification of the material and supplier**Names**

Product name : ALLEGRO
ADG : Not regulated.
Supplier : ECOLAB PTY LTD (A.B.N. 59 000 449 990)
6 Hudson Ave, Castle Hill NSW 2154
Customer Service phone: 1 800 022 002
Free Fax Number: 1 800 655 679
Emergency telephone number : 1 800 124 170

Uses

Material uses : Machine Warewashing Detergent
Date of issue : **19-August-2005**

2 . Hazards identification

Statement of hazardous/dangerous nature : Classified as hazardous according to the criteria of NOHSC and not classified as dangerous goods according to the ADG Code.
Risk Phrases : R36/38 - Irritating to eyes and skin.
Safety Phrases : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39- Wear suitable gloves and eye/face protection.
S46- If swallowed, seek medical advice immediately and show this container or label.

3 . Composition/information on ingredients

Ingredient name	CAS number	Concentration
Potassium hydroxide	1310-58-3	<10

Other ingredients, determined not to be hazardous according to NOHSC criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

4 . First aid measures**First aid measures**

Eye contact : In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Obtain medical attention.
Skin Contact : In case of contact, immediately flush skin copiously with water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. G medical attention if irritation persists.
Inhalation : Remove to fresh air. Obtain medical attention if symptoms occur.
Ingestion : Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (Phone: 13 11 26).
Notes to physician : No specific treatment. Treat symptomatically.

5 . Fire-fighting measures

Extinguishing media : Use an extinguishing agent suitable for surrounding fires.
Fire/explosion hazards : No specific hazard.
Special protective equipment for fire-fighters : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous Decomposition Products : None identified.

6 . Accidental release measures

- Personal Precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7 . Handling and storage

- Handling** : Do not add water directly to product. Slowly stir product into water. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from incompatibles such as strong acids.

8 . Exposure controls/personal protection

Occupational exposure limits

Ingredient name

Potassium hydroxide

Exposure limits

NOHSC (Australia, 7/2003).

AMP: 2 mg/m³ 15 minute(s). Form: All forms

- Engineering measures** : None required; however, use of adequate ventilation is good industrial practice.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

- Eyes** : Safety glasses.
- Hands** : Use chemical resistant, impervious gloves. Recommended: PVC gloves.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.
- Skin** : No special protective clothing is required.

9 . Physical and chemical properties

- Physical state** : Gel
- Colour** : Clear.
- Odour** : Odourless.
- Boiling point** : >100 °C
- Melting point** : Not available.
- Vapour pressure** : Not available.
- Specific gravity** : 1.1 (Water = 1)
- Flash point** : Product does not support combustion.
- Vapour density** : Not available.
- Solubility** : Easily soluble in cold water, hot water.

10 . Stability and reactivity

- Stability** : The product is stable under normal ambient conditions of temperature and pressure.
- Conditions to Avoid** : None identified.
- Materials to avoid** : Strong acids
- Hazardous Decomposition Products** : None identified.
- Hazardous Reactions** : May react or be incompatible with acids.

11 . Toxicological information

Potential acute health effects

- Inhalation : No known significant effects or critical hazards.
Ingestion : Exposure can cause nausea, headache and vomiting.
Skin Contact : Moderately irritating to the skin.
Eye contact : Moderately irritating to eyes.

Potential chronic health effects

- Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Reproductive toxicity : No known significant effects or critical hazards.

12 . Ecological information

- Ecotoxicity data : Not available.
Persistence/degradability : Not available.
Mobility : Not available.
Other adverse effects : No known significant effects or critical hazards.

13 . Disposal considerations

- Methods of disposal : Do not reuse product container. The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14 . Transport information

Regulation	UN number	Proper shipping name	Class	Packing group	Additional Information
ADG	-	Not regulated.	-	-	-
IMDG	-	Not regulated.	-	-	-

15 . Regulatory information

- Australian Inventory Status : All substances are listed on AICS or exempt.

- AU Classification : Xi - Irritant
R36/38- Irritating to eyes and skin.

Standard for the Uniform Scheduling of Drugs and Poisons

Schedule: S5.

Control of Scheduled Carcinogenic Substances

<u>Ingredient name</u>	<u>Schedule</u>
No listed substance	

16 . Other information

- Prepared by : Regulatory Affairs
Date of previous issue : 11-January-2005
Change Made : New format.

References

- : -ADG Code - Australian Transport of Dangerous Goods
- Adopted National Exposure Standard for Atmospheric Contaminants in the Occupational Environment
- Approved Criteria for Classifying Hazardous Substances
- List of Designated Hazardous Substances
- National Code of Practice for the Labelling of Workplace Substances
- National Code of Practice for the Preparation of Material Safety Data Sheets
- National Model Regulations for the Control of Scheduled Carcinogenic Substances
- National Model Regulations for the Control of Workplace Hazardous Substances
- Standard for the Uniform Scheduling of Drugs and Poisons

Disclaimer

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.