

Material Safety Data Sheet

KITCHEN PRO SINK DETERGENT



1. Identification of the material and supplier

Trade name of product : KITCHEN PRO SINK DETERGENT
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
Material uses : Manual Warewashing Detergent

Product dilution information : Up to 0.08% in water

Date of issue : 2 March 2011

2. Hazards identification

Statement of hazardous/dangerous nature : **Product AS SOLD**
: **Classified as hazardous** according to the criteria of Safe Work Australia and **not classified as dangerous goods** according to the ADG Code.

Classification : Xi - Irritant

Risk phrases : R36- Irritating to eyes.
R38- Irritating to skin.

Safety phrases : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37- Wear suitable protective clothing and gloves.
S39- Wear eye/face protection.

Product AT USE DILUTION
Not classified as hazardous according to the criteria of Safe Work Australia **nor classified as dangerous goods** according to the ADG Code.

Not applicable.

Not classified.

Not applicable.

3. Composition/information on ingredients

Product AS SOLD

Ingredient name	CAS number	Concentration % (w/w)
sulfuric acid, mono-c10-16-alkyl esters, sodium salts	68585-47-7	<10
amides, coco, n,n-bis(hydroxyethyl)	68603-42-9	<10
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c12-14-alkyl	68891-38-3	<10
ethers, sodium salts		
ethanol	64-17-5	<10
amines, c10-16-alkyldimethyl, n-oxides	70592-80-2	<10
propylene glycol	57-55-6	<10
2,2'-iminodiethanol	111-42-2	<10

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

Product AT USE DILUTION

Ingredients, determined not to be hazardous according to Safe Work Australia criteria, and not dangerous according to the ADG Code, make up the product concentration to 100%.

4. First-aid measures

	Product AS SOLD	Product AT USE DILUTION
Eye contact	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.	Rinse with plenty of running water. Get medical attention if symptoms occur.
Skin contact	: In case of contact, immediately flush skin with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.	In case of contact, immediately flush skin with plenty of water. Get medical attention if symptoms occur. Wash clothing before reuse.
Inhalation	: Remove to fresh air. Get medical attention if symptoms occur.	Remove to fresh air. Get 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).	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.	No specific treatment. Treat symptomatically.

5. Fire-fighting measures

	Product AS SOLD
Extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Fire-fighting media and instructions	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
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 thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides metal oxide/oxides

6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
Personal precautions	: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).	Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods for cleaning up	: Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information	Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

6. Accidental release measures

and section 13 for waste disposal.

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

7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
Handling	: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.	Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.
Storage	: Keep container tightly closed. Keep container in a cool, well-ventilated area.	Keep container tightly closed. Keep container in a cool, well-ventilated area.
Combustible liquid	: Not applicable.	Non-combustible.

8. Exposure controls/personal protection

Product AS SOLD

Occupational exposure limits

Ingredient name	Exposure limits
ethanol	Safe Work Australia (Australia, 8/2005). TWA: 1880 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s).
propylene glycol	Safe Work Australia (Australia, 8/2005). TWA: 10 mg/m ³ 8 hour(s). Form: Particulate TWA: 474 mg/m ³ 8 hour(s). Form: Vapor and particulates TWA: 150 ppm 8 hour(s). Form: Vapor and particulates
2,2'-iminodiethanol	Safe Work Australia (Australia, 8/2005). TWA: 13 mg/m ³ 8 hour(s). TWA: 3 ppm 8 hour(s).

	Product AS SOLD	Product AT USE DILUTION
Engineering measures	: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
Personal protection		
Eyes	: Safety glasses with side shields.	Recommended: Safety glasses.
Hands	: Use chemical-resistant, impervious gloves. Recommended: PVC gloves.	Recommended: PVC gloves.
Respiratory	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.

8. Exposure controls/personal protection

Skin	: Wear synthetic apron, other protective equipment as necessary to prevent skin contact.	No special protective clothing is required.
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.	

9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
Physical state	: Liquid.	Liquid.
Colour	: Blue.	Blue. [Light]
Odour	: citrus	citrus
pH	: 6.5 to 8.5 [Conc. (% w/w): 100%]	6.5 to 8
Flash point	: Product does not support combustion.	Product does not support combustion.
Relative density	: 1.01 to 1.026	
Density	: 1.01 to 1.026 g/cm ³ [20°C (68°F)]	
Solubility	: Easily soluble in the following materials: cold water and hot water.	

10. Stability and reactivity

	Product AS SOLD
Stability	: The product is stable.
Conditions to avoid	: No specific data.
Materials to avoid	: None identified.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Possibility of hazardous reactions	: No hazardous reactions expected.

11. Toxicological information

Potential acute health effects

	Product AS SOLD	Product AT USE DILUTION
Inhalation	: Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.	No known significant effects or critical hazards.
Ingestion	: Exposure can cause nausea, headache and vomiting.	No known significant effects or critical hazards.
Skin contact	: Irritating to skin.	No known significant effects or critical hazards.
Eye contact	: Moderately irritating to eyes.	No known significant effects or critical hazards.

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

Product AS SOLD

Ecotoxicity data

Product/ingredient name	Result	Species	Exposure
ethanol	Acute LC50 13000 mg/L		96 hours
	Acute LC50 >100 mg/L		96 hours
propylene glycol	Acute EC50 >10000 mg/L		48 hours
	Acute LC50 55770 mg/L		96 hours
	Acute LC50 >62000 mg/L		96 hours
	Acute LC50 710 mg/L		96 hours
2,2'-iminodiethanol	Acute EC50 72.92 to 86.04 mg/L Fresh water		48 hours
	Acute LC50 >540 ppm Marine water		96 hours
	Acute LC50 1400000 ug/L Fresh water		96 hours
	Acute LC50 1370000 to 1580000 ug/L Fresh water		96 hours

Persistence/degradability : Not available.

Mobility : Not available.

Other adverse effects : No known significant effects or critical hazards.

13. Disposal considerations

	Product AS SOLD	Product AT USE DILUTION
Methods of disposal	<p>: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.</p>	<p>The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.</p>

14. Transport information

Product AS SOLD

Regulation	UN number	Proper shipping name	Classes	Packing group	Additional information
ADG	Not regulated.	-	-	-	-
IMDG	Not regulated.	-	-	-	-

Product AT USE DILUTION

Not intended for transport.

15. Regulatory information

AU Classification : **Product AS SOLD**
 : **Classified as hazardous** according to the criteria of Safe Work Australia and **not classified as dangerous goods** according to the ADG Code.
 Xi - Irritant
 R36- Irritating to eyes.
 R38- Irritating to skin.

Product AT USE DILUTION
Not classified as hazardous according to the criteria of Safe Work Australia **nor classified as dangerous goods** according to the ADG Code.
 Not applicable.
 Not classified.

Australia inventory (AICS) : All substances are listed on AICS or exempt.

Standard for the Uniform Scheduling of Medicines and Poisons

Not scheduled

Control of Scheduled Carcinogenic Substances

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

16. Other information

Prepared by Regulatory Affairs

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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.