

HEXIFOAM ANTISEPTIC FOAMING HAND WASH

1. Identification of the material and supplier

Names

Product name : HEXIFOAM ANTISEPTIC FOAMING HAND WASH
 ADG : AEROSOLS
 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 : Hand disinfectant and skin antiseptic
 Date of issue : 25-August-2010

2. Hazards identification

Statement of hazardous/dangerous nature : Not classified as hazardous according to the criteria of Safe Work Australia and classified as dangerous goods according to the ADG Code.
 Risk phrases : R10- Flammable.
 Safety phrases : S16- Keep away from sources of ignition - No smoking.
 S46- If swallowed, seek medical advice immediately and show this container or label.

3. Composition/information on ingredients

Ingredient name	CAS number	Concentration
<input checked="" type="checkbox"/> Guanide, 1,1'-hexamethylenebis(5-(p-chlorophenyl)-ethanol	55-56-1 64-17-5	<1 30-60

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%.

4. First-aid measures

First-aid measures

Eye contact : Rinse with plenty of running water. Get medical attention if symptoms occur.
 Skin contact : First aid is not normally needed. Get medical attention if symptoms occur.
 Inhalation : First aid is not normally needed. 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).
 Notes to physician : No specific treatment. Treat symptomatically.

5. Fire-fighting measures

Hazchem code : -
 Extinguishing media : In case of fire, use water spray (fog), foam or dry chemical.
 Fire/explosion hazards : Cool closed containers exposed to fire with water. Bursting aerosol containers may be propelled from a fire at high speed. Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion 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.

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Hazardous decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds

6 . Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment. Do not touch or walk through spilt material.
- 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).
- 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). Use spark-proof tools and explosion-proof equipment. 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 and section 13 for waste disposal.

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

7 . Handling and storage

- 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. Pressurised container: protect from sunlight and do not expose to temperature exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes. Avoid breathing gas. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Empty containers retain product residue and can be hazardous.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Keep away from incompatibles, such as oxidizing material

8 . Exposure controls/personal protection

Occupational exposure limits

Ingredient name

ethanol

Exposure limits

Safe Work Australia (Australia, 8/2005).

TWA: 1880 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

- Engineering measures** : No special ventilation requirements.
- 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** : No special protection is required.
- Hands** : No special protection is required.
- Respiratory** : Respirator is not needed under normal and intended conditions of product use.

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Skin : No special protective clothing is required.

9 . Physical and chemical properties

Physical state : Liquid. [Aerosol.]
Colour : White.
Odour : disinfectant
Boiling point : 35°C (<95°F)
Melting point : Not available.
Vapour pressure : Not available.
Specific gravity : 0.85 to 0.95
Relative density : 0.85 to 0.95 g/cm³ [20°C (68°F)]
Flash point : 23 °C (Closed cup)
Vapour density : Not available.
pH : 6 to 8 [Conc. (% w/w): 100%]
Solubility : Easily soluble in the following materials: cold water and hot water.

10 . Stability and reactivity

Stability : The product is stable under normal ambient conditions of temperature and pressure.
Conditions to avoid : Sources of ignition, heat, direct sunlight.
Materials to avoid : oxidizing material
Hazardous decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
halogenated compounds
Hazardous Reactions : No hazardous reactions expected.

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 : No known significant effects or critical hazards.
Eye contact : Slightly irritating to the 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

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
ethanol	Fish	96 hours	Acute LC50 13000 mg/L
	Fish	96 hours	Acute LC50 >100 mg/L

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 puncture or incinerate container. 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. Dispose of via a licensed waste disposal contractor.

14 . Transport information

Regulation	UN number	Proper shipping name	Class	Packing group	Additional information
ADG	UN1950	AEROSOLS	2.1	-	<u>Hazchem code</u> - <u>Initial emergency response guide</u> G49
IMDG	1950	AEROSOLS	2.1	-	<u>Emergency schedules (EmS)</u> F-D, S-U

15 . Regulatory information

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

AU Classification : Not classified as hazardous according to the criteria of Safe Work Australia.
R10- Flammable.

Standard for the Uniform Scheduling of Drugs and Poisons

Not scheduled

Control of Scheduled Carcinogenic Substances

Ingredient name

No listed substance

Schedule

Product Registration Status : TGA

16 . Other information

Prepared by : Regulatory Affairs

Date of previous issue : ~~06-October-2005~~

Change Made : Update MSDS, include exposure standard, change pH and SG to range

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.