BLUE CORAL SMART BOOST 800

1 . Identification of the material and supplier

Names

Product name : BLUE CORAL SMART BOOST 800

ADG : ALKYLSULPHONIC ACIDS, LIQUID

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 : Cleaning product

Date of issue : **06-August-2009**

2 . Hazards identification

Statement of hazardous/dangerous nature : **Classified as hazardous** according to the criteria of NOHSC and **classified as dangerous goods** according to the ADG Code.

Risk phrases : R22- Harmful if swallowed.
R34- Causes burns.

Safety phrases : S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28- After contact with skin, wash immediately with plenty of water.
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

3 . Composition/information on ingredients

Ingredient name	CAS number	Concentration
2-butoxyethanol	111-76-2	10 - <30
dodecylbenzenesulfonic acid	27176-87-0	10 - <30

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

Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

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).Never give anything by mouth to an unconscious person.If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Notes to physician : Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.

5 . Fire-fighting measures

Hazchem code : 2X

Extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Fire/explosion hazards : Combustible liquid Class C1 (AS 1940).

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 : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides

6 . Accidental release measures

Personal precautions : 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).

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). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. 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. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from sources of ignition.

Keep away from incompatibles, such as strong oxidizing material

Combustible liquid : Combustible liquid Class C1 (AS 1940).

8 . Exposure controls/personal protection

Occupational exposure limits

Ingredient name	Exposure limits
2-butoxyethanol	**ASCC (Australia, 8/2005). Absorbed through skin.** STEL: 242 mg/m³ 15 minute(s). STEL: 50 ppm 15 minute(s). TWA: 96.9 mg/m³ 8 hour(s). TWA: 20 ppm 8 hour(s).

Engineering measures : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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 : Wear chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.

Hands : Recommended: PVC gloves.

Respiratory : If ventilation is inadequate, use respirator that will protect against organic vapour and dust/mist. Respiratory protection should conform to AS/NZS 1715 and AS/NZS 1716.

Skin : Wear synthetic apron, other protective equipment as necessary to prevent skin contact.

9 . Physical and chemical properties

Physical state : Liquid.

Colour : Straw. [Light]

Odour : Alcohol-like.

Boiling point : >100°C (>212°F)

Melting point : Not available.

Vapour pressure : Not available.

Specific gravity : 1.015

Relative density : 1.015 g/cm^3 [20°C (68°F)]

Flash point : 89.5 °C (Closed cup)

Vapour density : Not available.

pH : 0 to 2 [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 : Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

Materials to avoid : strong oxidizing material

Hazardous decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
sulfur oxides

Hazardous Reactions : No hazardous reactions expected.

11 . Toxicological information

Potential acute health effects

Inhalation : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.

Ingestion : Harmful if swallowed. May cause burns to mouth, throat and stomach.

Skin contact : Corrosive to the skin. Causes burns.

Eye contact : Corrosive to eyes. Causes burns.

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

Ingredient name	Species	Period	Result
2-butoxyethanol	Fish	96 hours	Acute LC50 1490 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 reuse product containers. The generation of waste should be avoided or minimised wherever possible. Avoid dispersal of spilt 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	UN2586	ALKYLSULPHONIC ACIDS, LIQUID	8	III	**Hazchem code** 2X **Initial emergency response guide** 36
IMDG	UN2586	ALKYLSULPHONIC ACIDS, LIQUID	8	III	**Emergency schedules (EmS)** F-A, S-B

15 . Regulatory information

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

AU Classification : C - Corrosive
Xn - Harmful

R22- Harmful if swallowed.
R34- Causes burns.

Standard for the Uniform Scheduling of Drugs and Poisons

S6

Control of Scheduled Carcinogenic Substances

Ingredient name	Schedule
No listed substance	

16 . Other information

Prepared by	:	Regulatory Affairs
Date of previous issue	:	**No previous validation.**
Change Made	:	Review Hazard classification, New Product Name
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.