



SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

Other means of identification : Not applicable.

Recommended use : Skin antiseptic

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Co.
5105 Tomken Road
Mississauga, Ontario Canada L4W 2X5
1-800-352-5326

Emergency telephone number : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 04/07/2014

Section: 2. HAZARDS IDENTIFICATION

Physical and chemical hazards : Not flammable or combustible.

Potential Health Effects

Eyes : Causes eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Health injuries are not known or expected under normal use.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration: (%)
Fatty acids, coco, potassium salts	61789-30-8	5 - 10
Alkylethersulphates	68585-34-2	1 - 5
Perfume ingredient	107-41-5	1 - 5
Boric acid	10043-35-3	0.1 - 1
triclosan	3380-34-5	0.1 - 1

Section: 4. FIRST AID MEASURES

In case of eye contact : Rinse with water.

In case of skin contact : Rinse with water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

Protection of first-aiders : No special precautions are necessary for first aid responders.

Notes to physician : Treat symptomatically.

See toxicological information (Section 11)

Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : None known.
- Specific hazards during firefighting. : Not flammable or combustible.
- Hazardous combustion products : Carbon oxides
- Special protective equipment for firefighters : Use personal protective equipment
- Specific extinguishing methods : Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.
- Risk of explosion. : Not available.

Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
- Environmental precautions : Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

Section: 7. HANDLING AND STORAGE

- Advice on safe handling : No special handling advice required.
- Conditions for safe storage : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
- Storage temperature : 5 °C to 50 °C

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Perfume ingredient	107-41-5	(c)	25 ppm 121 mg/m ³	CAD AB OEL
		C	25 ppm	CAD BC OEL
		C	25 ppm 121 mg/m ³	OEL (QUE)
Perfume ingredient	107-41-5	Ceiling	25 ppm	ACGIH
		Ceiling	25 ppm 125 mg/m ³	NIOSH REL

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : No specific measures identified.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: gel
Colour	: blue
Odour	: sweet
pH	: 8.75, 100 %
Flash point	: Not applicable.
Odour Threshold	: no data available
Melting point/freezing point	: no data available
Initial boiling point and boiling range	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 1.02
Water solubility	: no data available
Solubility in other solvents	: no data available
Partition coefficient: n-	: no data available

SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

octanol/water

Auto-ignition temperature : no data available
Thermal decomposition : no data available
Viscosity, kinematic : no data available
Explosive properties : no data available
Oxidizing properties : no data available
Molecular weight : no data available
VOC : no data available

Section: 10. STABILITY AND REACTIVITY

Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
Conditions to avoid : None known.
Incompatible materials : None known.
Hazardous decomposition products : Carbon oxides

Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

Eyes : Causes eye irritation.
Skin : Health injuries are not known or expected under normal use.
Ingestion : Health injuries are not known or expected under normal use.
Inhalation : Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact : Redness, Irritation
Skin contact : slight irritation
No symptoms known or expected
Ingestion : No symptoms known or expected
Inhalation : No symptoms known or expected

Toxicity

Acute oral toxicity : no data available
Acute inhalation toxicity : no data available

SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

Acute dermal toxicity	: no data available
Skin corrosion/irritation	: no data available
Serious eye damage/eye irritation	: Mild eye irritation
Respiratory or skin sensitization	: no data available
Carcinogenicity	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Reproductive effects	: no data available
Germ cell mutagenicity	: no data available
Teratogenicity	: no data available
STOT - single exposure	: no data available
STOT - repeated exposure	: no data available
Aspiration toxicity	: no data available

Components

Acute oral toxicity	: Alkylethersulphates LD50 rat: > 2,500 mg/kg
	Perfume ingredient LD50 rat: > 2,000 mg/kg
	triclosan LD50 rat: > 5,000 mg/kg

Components

Acute inhalation toxicity	: Perfume ingredient 4 h LC50 rat: > 1.1 mg/l
	triclosan 4 h LC50 rat: 0.65 mg/l

Components

Acute dermal toxicity	: Alkylethersulphates LD50 rat: > 2,000 mg/kg
	Perfume ingredient LD50 rat: > 2,000 mg/kg
	triclosan LD50 rabbit: > 6,000 mg/kg

Section: 12. ECOLOGICAL INFORMATION

SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

Ecotoxicity

Environmental Effects : Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Product

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates. : no data available

Toxicity to algae : no data available

Components

Toxicity to fish : Alkylethersulphates
96 h LC50 Fish : 28 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates. : Perfume ingredient
48 h EC50 Daphnia : 2,800 mg/l

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

no data available

Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : The product should not be allowed to enter drains, water courses or the soil. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (TDG)

Not dangerous goods

Sea Transport (IMDG/IMO)

Not dangerous goods

SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

Section: 15. REGULATORY INFORMATION

WHMIS Classification : Not considered a WHMIS controlled product.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Canada Cosmetics : Notified cosmetic under Food & Drugs Act

NPRI Components : Aliphatic hydrocarbons
Nitrilotriaceticacid[NTA] Salt

The components of this product are reported in the following inventories:

1907/2006 (EU) :
not determined

Switzerland. New notified substances and declared preparations :
not determined

United States TSCA Inventory :
On TSCA Inventory

Canadian Domestic Substances List (DSL) :
All components of this product are on the Canadian DSL.

Australia. Industrial Chemical (Notification and Assessment) Act :
not determined

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :
On the inventory, or in compliance with the inventory

Japan. ENCS - Existing and New Chemical Substances Inventory :
not determined

Japan. ISHL - Inventory of Chemical Substances (METI) :
not determined

Korea. Korean Existing Chemicals Inventory (KECI) :
not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :
not determined

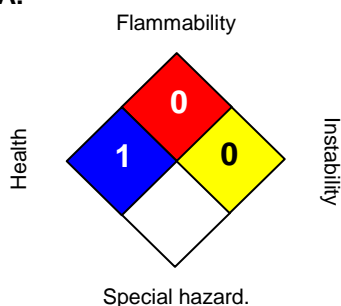
China Inventory of Existing Chemical Substances :
not determined

Section: 16. OTHER INFORMATION

SAFETY DATA SHEET

KEYSTONE ANTIBACTERIAL LIQUID HAND SOAP

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

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Prepared by : Regulatory Affairs 1-800-352-5326

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.