



MATERIAL SAFETY DATA SHEET

Product: Liquid K

Page 1 of 4

Date issued:26/11/2002

Company Details

Name: Ecolab (Pty) Ltd	Emergency Tel. No. (011) 578 5000 / 079 696 9152 / 082 924 3734 (after hours)
Address: 1 Ampere Street Chloorkop Kempton Park	Postal address: P O Box 8074 Edenglen 1613
Tel. No: (011) 578 5000	Fax No: (011) 393 1567

1. Product Identification

Trade Name	Liquid K
Description	Multi Purpose cleaner

2. Composition

Hazardous components	CAS #	%	PEL (mg/m3)	TWA (mg/m3)
Sodium dodecylbenzenesulfonate	25155-30-0	17	None	None
Sodium Lauryl ether sulfate	9004-82-4	3	None	None
Substances subject to SARA 313 reporting are indicate by “#” *ACGIH STEL = 15				
STEL = 15 minute average	PEL = OSHA 8 hour average in air			
TWA = ACGIH 8 hour average	C = ceiling limit in air; do not exceed			

3. Hazard Identification

Main hazard	May irritate skin, eyes, mucous membranes of mouth, throat and esophagus
Explosive hazard	None
Fire	Not flammable. Does not support combustion.
Chemical hazard	None.
Health effects – eyes	May cause irritation
Health effects – skin	May cause irritation
Health effects – ingestion	HARMFUL. Causes stomach distress, nausea and vomiting
Health effects - inhalation	People with asthma or other lung problems may be affected.



MATERIAL SAFETY DATA SHEET

Product: Liquid K

Page 2 of 4

Date issued:26/11/2002

4. First Aid	
Product in eyes:	Immediately flush with cool running water. Remove contact lenses. Continue flushing for at least 15 minutes, holding eyelids apart so as to rinse entire eye.
Product on skin:	Immediately flush skin with plenty of cool running water for at least 15 minutes while removing contaminated clothing and shoes; discard or wash well before reuse.
Product ingested:	Rinse mouth at once; then drink 1 or 2 large glasses of water. DO NOT induce vomiting. NEVER give anything by mouth to an unconscious person.
Product inhaled:	Immediately move to fresh air.
For any serious contact situation – GET MEDICAL ATTENTION	

5. Fire Fighting Measures	
Extinguishing media	Use method appropriate for surrounding fire
Special hazards	Does not support combustion.

6. Accidental Release Measures	
Personal precautions	Use standard industrial hygiene equipment
Environmental precautions	May be satisfactorily biodegraded in conventional treatment plants
Small spills	Flush residue well with water
Large spills	Dike or dam large spills. Pump to container or soak up on inert absorbent / sand. Any disposal procedure must be in compliance with local state regulations.

7. Handling and Storage	
Suitable material	HDPE drums or approved plastic
Loading/unloading precautions	Wear standard industrial protective equipment
Handling/storage precautions	Avoid contact with skin, eyes and mucous membranes. Minimize spray mists/vapours. Store in cool, dry well ventilate place

8. Exposure Controls/Personal Protection	
Personal protection – respiratory	Avoid breathing mists or vapours of this product. Ventilate to maintain air levels below exposure limits
Personal protection – eyes	For continued or severe exposure wear goggles
Personal protection – skin	Wear any industrial rubber gloves, synthetic apron, and other protective equipment as necessary to prevent skin contact
Other	Access to emergency eye wash and shower is recommended



MATERIAL SAFETY DATA SHEET

Product: Liquid K

Page 3 of 4

Date issued:26/11/2002

9. Physical and Chemical Properties:	
Appearance	Clear yellow semi-viscous liquid
Odour	None
pH	7-8.5 (100%)
Specific Gravity	1.02-1.03 (20°C)
Solubility – water	Mixes with water in all proportions
Flammability	Not flammable
Flash point	-
Melting point	-
Boiling point	> 100°C
Auto-flammability	-
Explosive properties	-
Vapour pressure	-

10. Stability and Reactivity	
Conditions to avoid	Dilute product by slowly adding to water.
Stability	Stable under normal conditions of handling
Hazardous decomposition products	-

11. Toxicological Information	
Acute exposure	Corrosive to eyes, skin irritant
Chronic exposure	None documented. Skin irritation may arise- not a skin sensitiser in animals
Carcinogenicity	None documented after long term tests
Mutagenicity	-
Neurotoxicity	Headache can occur
Reproductive hazards	-

12. Ecological Information	
General	Product will undergo primary biodegradation under continuous activated sludge methods.
Aquatic	None documented
Biodegradability	Product is biodegradable
Bio-accumulation	None known.



MATERIAL SAFETY DATA SHEET

Product: Liquid K

Page 4 of 4

Date issued: 26/11/2002

13. Disposal Considerations

Follow local and national regulations.

Small quantities: Flush away with plenty of water

Large quantities: Send to special waste disposal facility

Disposal of packaging: Rinse out empty container thoroughly with water before disposal

14. Transport Information

UN No.	NR
Packing Group	III
Class	NR

15. Regulatory Information

Risk phrases: R36/38 Irritates eyes and skin

Safety phrases: S2 Keep out of reach of children

S36/37/39 Wear suitable protective clothing, protective gloves and goggles/face mask for all work.

S3/7/9 Keep container tightly closed in a cool well ventilated place

S26 Upon contact with the eyes, rinse thoroughly with water and consult a doctor

16. Other Information

The above information is believed to be correct with respect to the formula used to manufacture the product. 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

Revision no & date	Reason for revision	Responsible person
0 – 26/11/2002	First issue in 16 point format.	Keith Gall
01 – 30/01/2012	Review of emergency tel no's	Karin Arnold