

Material Safety Data Sheet

Revision Date 10-Apr-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DL1080 04
Product name Keynote
Recommended Use Cleaner

Supplier Drummond, A Lawson Brand
Lawson Products, Inc.
8770 W.Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
1-866-529-7664

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Harmful if swallowed.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Eyes. Skin.

Potential health effects

Eyes Contact with eyes may cause irritation.

Skin Prolonged skin contact may cause skin irritation. May be absorbed through the skin in harmful amounts. Repeated or prolonged exposure may cause: Kidney damage. Liver abnormalities.

Inhalation Breathing mists may cause the following effects: Irritating to respiratory system.

Ingestion Harmful if swallowed. Irritating to mouth, throat and stomach. Absorption is possible. May cause the following effects. Kidney damage. Liver abnormalities.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	>85
Sodium metasilicate	6834-92-0	1-5
2-Butoxyethanol	111-76-2	1-5
Sodium Dodecylbenzene Sulfonate	25155-30-0	1-5
EDTA	64-02-8	0-1

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If effects occur, consult a physician, preferably an ophthalmologist.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion Rinse mouth with water and spit out rinse. Drink plenty of water. Drink juices or dilute vinegar. Do Not induce vomiting. Seek medical attention.

Inhalation Remove to fresh air. Provide oxygen or artificial respiration if necessary. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C None
Flash point °F None
Method Tag Closed Cup

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media
Water fog. Carbon dioxide (CO₂). Halon system. Foam.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Fire and Explosion Hazards
Do not enter any enclosed or confined fire space without proper protective equipment.

Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Clean-up methods - small spill
Soak up with noncombustible inert absorbent material or flush into normal drainage or into ground with copious amounts of water (if local regulations permit).

Clean-up methods - large spill
Contain spill by diking or other methods. Hold for disposal or reuse.

7. HANDLING AND STORAGE

7. HANDLING AND STORAGE**Handling**

Ensure adequate ventilation. Minimize skin contact. Avoid contact with eyes.

Storage

Check daily for any leaks from containers, vessels, pumps, and piping.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Water	-	-	-	-
Sodium Dodecylbenzene Sulfonate	-	-	-	-
2-Butoxyethanol	50 ppm 240 mg/m ³	-	20 ppm	-
Sodium metasilicate	-	-	-	-
EDTA	-	-	-	-

Ventilation and Environmental Controls

Normal ventilation is adequate.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

Use NIOSH approved respirator if TLV limit is exceeded.

Hand Protection

Protective gloves.

Eye protection

Use safety eyewear designed to protect against splash of liquids. Contact lenses should not be worn.

Skin and body protection

None necessary under normal conditions

Other Protective Equipment

Long sleeves. Rubber boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Clear Purple - Blue
Odor	Sweet
Odor Threshold	Not Applicable
pH	12.50
Specific Gravity	1.0176
Vapor pressure	Not Applicable
Vapor density	No data available
Evaporation Rate	Not Applicable
Water solubility	Soluble in water
VOC Content	2.108%
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	100
Boiling point/range °F	212
Melting point/range °C	Not Applicable

Melting point/range °F

Not Applicable

Flash point °C

None

Flash point °F

None

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

None known.

Incompatibility

Strong acids. Materials not resistant to alkalis.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapours. Carbon monoxide. Carbon dioxide. Hydrocarbons.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Water	90 mL/kg	-	-
7732-18-5			
Sodium Dodecylbenzene Sulfonate	438 mg/kg	-	-
25155-30-0			
2-Butoxyethanol	470 mg/kg	220 mg/kg 2270 mg/kg	2.21 mg/L 450 ppm
111-76-2			
Sodium metasilicate	600 mg/kg	-	-
6834-92-0			
EDTA	10 g/kg	-	-
64-02-8			

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

See Section 2 .

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

Prolonged skin contact with 2-butoxyethanol may result in the absorption of potentially harmful amounts leading to possible liver and kidney damage.

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Water	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium Dodecylbenzene Sulfonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2-Butoxyethanol	A3	Not Listed	Not Listed	Not Listed	Not Listed
Sodium metasilicate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
EDTA	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Sodium metasilicate

Water Flea Data

Daphnia magna EC50=216 mg/L (96 h)

2-Butoxyethanol

Water Flea Data

Daphnia magna EC50=1698 - 1940 mg/L (24 h)

Daphnia magna EC50>1000 mg/L (48 h)

EDTA

Water Flea Data

Daphnia magna EC50=610 mg/L (24 h)

13. DISPOSAL CONSIDERATIONS

Disposal Information

As supplied, this product is a RCRA Hazardous Waste .

Waste from residues / unused products

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations. Rinse empty container thoroughly with water before discarding.

14. TRANSPORTATION INFORMATION

DOT

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
2-Butoxyethanol	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Water	Not Listed	Not Listed	Not Listed
Sodium Dodecylbenzene Sulfonate	Not Listed	Listed	Not Listed
2-Butoxyethanol	Listed	Listed	Not Listed
Sodium metasilicate	Not Listed	Not Listed	Not Listed
EDTA	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Water	X	X	-	X
Sodium Dodecylbenzene Sulfonate	X	X	-	X
2-Butoxyethanol	X	X	-	X
Sodium metasilicate	X	X	-	X
EDTA	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

HMIS

Health - 2

Flammability - 0

Physical Hazard - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.