

Revision Date 27-Jun-2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code DL1080
Product name Keynote
Recommended Use Cleaner

Supplier Drummond American Corporation
 600 Corporate Woods Parkway
 Vernon Hills, IL 60061

 (847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
 Harmful if swallowed.

Color Clear Purple - Blue

Odor Sweet

Form Liquid

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 Irritating to respiratory system.

Ingestion Harmful or fatal 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 %
2-Butoxyethanol	111-76-2	< 10
Sodium metasilicate	6834-92-0	>5

4. FIRST AID MEASURES

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Eye contact	Flush with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
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	Not Applicable
Lower	Not Applicable

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

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

Exposure limits

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

Ventilation and Environmental Controls

Normal ventilation is adequate.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Personal protective equipment**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	1.01
Vapor pressure	Not Applicable	Vapor density	No data available
Evaporation Rate	Not Applicable	VOC Content	5.0%; 50.31 gm/l
Water solubility	Soluble in water	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

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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)
<i>2-Butoxyethanol</i> 111-76-2	470 mg/kg	220 mg/kg 2270 mg/kg	2.21 mg/L 450 ppm
<i>Sodium metasilicate</i> 6834-92-0	600 mg/kg	-	-

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Mutagenic effects

None known

Reproductive toxicity

None known

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
2-Butoxyethanol	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Sodium metasilicate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Chronic toxicity

See Section 2 .

Teratogenic effects

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.

12. ECOLOGICAL INFORMATION

2-Butoxyethanol

Water Flea Data*water flea LC50=1720 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. TRANSPORT INFORMATION

DOT

Not Regulated

TDG

Not Regulated

IMDG/IMO

Not Regulated

IATA

Not Regulated

MEX

Not Regulated

15. REGULATORY INFORMATION

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

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

Chemical Name	EINECS	DSL	NDSL	TSCA
2-Butoxyethanol	X	X	-	X
Sodium metasilicate	X	X	-	X

CPRC

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

NFPA		HMIS	
Health	-	Health	2
Flammability	-	Flammability	0
Reactivity	-	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.