

Elumen Lock

Article number 201279 = 250ml

KAO USA Inc.

Linthicum Heights, MD 21090

Created: 13.08.2012, Revision 13.08.2012

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SECTION 1: Identification of the substance / preparation and of the company**Product identifier****Elumen Lock****Article number 201279 = 250ml****Relevant identified uses of the substance or mixture and uses advised against**

Color sealing Treatment

Identified use

Cosmetics

Company

KAO USA Inc.

Linthicum Heights, MD 21090 / USA
Phone 001410-850-7555**Address enquiries to****Emergency phone Advisory body**

CHEMTREC: +1 703 527-3887 (24h)

Safety Data Sheet

sdb@chemiebuero.de

SECTION 2: Hazards identification**Emergency Overview****Appearance, Odor:**Gel, colourless
white, characteristicWARNING
FLAMMABLE LIQUID AND VAPOR**OSHA Regulatory Status**

This product is defined as an Cosmetics. Therefore, this product is exempt from requirements of the hazard communication standard, 29 CFR1910.1200.

Potential health effects

No particular hazards known.

Potential environmental effects

Does not contain any PBT or vPvB substances.

SECTION 3: Composition / Information on ingredients

The product is a mixture.

Range [%]	Substance
1 - <15	Ethanol CAS: 64-17-5
1 - <15	Polyethyleneglycol CAS: 25322-68-3
1 - <10	Benzyl alcohol CAS: 100-51-6
1 - <10	Lactic acid CAS: 79-33-4

Comment on component partsSubstances of Very High Concern - SVHC: substances are not contained or are below 0,1%. All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.
For the wording of the listed risk phrases refer to SECTION 16.

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SECTION 4: First aid measures

Description of first aid measures	Change soaked clothing.
Inhalation	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
Skin contact	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
Eye contact	In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Ingestion	Consult a doctor immediately. Rinse out mouth and give plenty of water to drink. Do not induce vomiting.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically. Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

Suitable extinguishing media	Alcohol-resistant foam. Dry powder. Carbon dioxide. Water spray jet.
Extinguishing media that must not be used	Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products	Unknown risk of formation of toxic pyrolysis products.
Special protective equipment for firefighters	Use self-contained breathing apparatus.
Additional information	Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	High risk of slipping due to leakage/spillage of product.
Environmental precautions	Keep away from all sources of ignition.
Methods and material for containment and cleaning up	Do not discharge into the drains/surface waters/groundwater. Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance within the regulations.

SECTION 7: Handling and storage

Precautions for safe handling	No special measures necessary if used correctly.
Advice on protection against fire and explosion	Keep away from all sources of ignition - Refrain from smoking.
Requirements for storage rooms and vessels	Keep only in original container.
Advice on storage compatibility	Do not store together with oxidizing agents.
Further information on storage conditions	Keep container tightly closed. Protect from heat/overheating.

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SECTION 8: Exposure controls / personal protection**Additional advice on system design** Ensure adequate ventilation on workstation.**Ingredients with occupational exposure limits to be monitored (US)**

Range [%]	Substance
1 - <15	Ethanol
	CAS: 64-17-5, EINECS/ELINCS: 200-578-6, EU-INDEX: 603-002-00-5, ECB-Nr.: 01-2119457610-43-xxxx
	Long-term exposure: 1000 ppm, 1900 mg/m ³ , OSHA, NIOSH
1 - <15	Polyethyleneglycol
	CAS: 25322-68-3, EINECS/ELINCS: Polymer
	Long-term exposure: none listed

Respiratory protection

not applicable

Hand protection

The details concerned are recommendations. Please contact the glove supplier for further information.

In full contact

butyl rubber, > 120 min (EN 374)

Eye protection

Safety glasses.

Skin protection

not applicable

General protective measures

Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier.

Avoid contact with eyes and skin.

Do not inhale vapours.

Hygiene measures

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

Delimitation and monitoring of the environmental exposition

See SECTION 6+7.

SECTION 9: Physical and chemical properties

Form	Gel
Color	colourless
	white
Odor	characteristic
pH-value	2,8 - 3,2 (10%)
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	41
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,044 - 1,049 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	20000 - 30000 (20 °C / 68 °F) (Brookfield RV DVIII sp 4, 5UpM)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature	not determined

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SECTION 10: Stability and reactivity

Reactivity	No dangerous reactions known if used as directed.
Chemical stability	The product is stable under standard conditions.
Possibility of hazardous reactions	Reactions with strong oxidizing agents. Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
Conditions to avoid	See SECTION 7.2. Strong heating.
Incompatible materials	not determined
Hazardous decomposition products	No hazardous decomposition products known.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

Range [%]	Substance
1 - <15	Polyethyleneglycol, CAS: 25322-68-3
	LD50, dermal, Rabbit: >2000 mg/kg.
	LD50, oral, Rat: >2000 mg/kg.
1 - <15	Ethanol, CAS: 64-17-5
	LC50, inhalative, mouse: > 60 mg/l/1h (OECD 403).
	LC50, inhalative, Rat (female): 55 mg/l/4h (OECD 403).
	LD50, oral, Rat: 10470 mg/kg (OECD 401).
	LD50, oral, mouse: 8350 mg/kg (OECD 401).
	NOAEL, inhalative, Rat (male): > 20 mg/l (20d, OECD 403).
	LC50, inhalative, Rat (male): 51 mg/l/4h (OECD 403).
	NOAEL, oral, Rat (female): 1730 mg/kg bw/d (90d, OECD 408).
1 - <10	Lactic acid, CAS: 79-33-4
	LD50, oral, mouse: 4875 mg/kg.
	LD50, dermal, Rabbit: >2000 mg/kg.
	LD50, oral, Rat: 3730 mg/kg.
1 - <10	Benzyl alcohol, CAS: 100-51-6
	LD50, oral, Rat: 1230 mg/kg.
	LD50, dermal, Rabbit: 2000 mg/kg.
	LC50, inhalative, Rat: 4,178 mg/l /4h.

Acute oral toxicity	not determined
Acute dermal toxicity	not determined
Serious eye damage/irritation	Non-irritant.
Skin corrosion/irritation	Non-irritant.
Respiratory or skin sensitisation	not determined
Specific target organ toxicity — single exposure	not determined
Specific target organ toxicity — repeated exposure	not determined
Mutagenicity	not determined
Reproduction toxicity	not determined
Carcinogenicity	not determined
General remarks	The toxicological data are those of the pure product.

The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

This is a cosmetic product that is safe under intended and reasonable foreseeable use. Taking into account the use instructions, the toxicological profile of the ingredients and the evaluation of the final formulation this product is considered as safe and thus not harming human health.

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SECTION 12: Ecological information**Toxicity**

Range [%]	Substance
1 - <15	Polyethyleneglycol, CAS: 25322-68-3
	LC50, (96h), Cyprinus carpio: >1000 mg/l (OECD 203).
	EC50, (72h), Scenedesmus subspicatus: >1000 mg/l (OECD 201).
	EC50, (48h), Daphnia magna: >1000 mg/l (OECD 203).
1 - <15	Ethanol, CAS: 64-17-5
	LC50, (48h), Daphnia magna: 12340 mg/l (ASTM E729-80).
	LC50, (96h), Oncorhynchus mykiss: 13000 mg/l (OECD 203).
	LC50, (24h), Oncorhynchus mykiss: 11200 mg/l (US EPA E03-05).
	EC10, (72h), Chlorella vulgaris: 11,5 mg/l (OECD 201).
	EC50, (72h), Chlorella vulgaris: 275 mg/l (OECD 201).
1 - <10	Lactic acid, CAS: 79-33-4
	EC50, (48h), Daphnia magna: 240 mg/l.
	LC50, (48h), fish: 320 mg/l.
1 - <10	Benzyl alcohol, CAS: 100-51-6
	EC50, (24h), Daphnia magna: 400 mg/l.
	EC0, (96h), Scenedesmus quadricauda (alga): 640 mg/l.
	EC10, (16h), Pseudomonas putida: 658 mg/l.
	LC50, (96h), Pimephales promelas: 460 mg/l.

Fish toxicity not determined

Daphnia toxicity not determined

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Bacteria toxicity not determined

Biological degradability not determined

COD not determined

BOD 5 not determined

AOX-advice not applicable

2006/11/EC: not applicable

Other adverse effects The product was classified on the basis of the calculation procedure of the preparation directive.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

Product For recycling, consult manufacturer.

Disposal in an incineration plant in accordance with the regulations of the local authorities.

Contaminated packaging Uncontaminated packaging may be taken for recycling.

RCRA Hazard Class (40CFR 261) Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

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SECTION 14: Transport information**Transport by land according to ADR/RID**

- Classification Code

UN 1266 Perfumery products 3 III

F1

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (D/E)

Inland navigation (ADN)

- Classification Code

UN 1266 Perfumery products 3 III

F1

- Label

**Marine transport in accordance with IMDG**

- EMS

UN 1266 Perfumery products 3 III

F-E, S-D

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

- Label

UN 1266 Perfumery products 3 III

**DOT Road Shipment Information (49 CFR)**

- Label

UN/NA 1266 Perfumery products 3 III

**SECTION 15: Regulatory information****US Regulations****National regulations**

29 CFR 1910.1200, ANSI Z400.1-2010, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA, California - Prop. 65

- SARA, 302

This product is not classified as hazardous under SARA 302.

- SARA, 311

This product is not classified as hazardous under SARA 311.

- SARA, 313

One or some ingredient(s) are listed under this regulation.

- CA Proposition 65

All chemical substances in this material are not named in California-P65 list.

- TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

- FDA

not determined

American Conference of Governmental Industrial Hygienists - ACGIH

Ingredients not listed as carcinogens.

International Agency for Research on Cancer IARC

Ingredients not listed as carcinogens.

National Toxicology Program - NTP

This product is named NTP - National Toxicology Program.

Transport-regulations

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2012).

EC Regulations

1967/548 (1999/45); 1991/689 (2001/118); 1999/13; 2004/42; 648/2004; 1907/2006 (Reach); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC

Labelling

The product is classified and required to be labelled in accordance with EC-Directives

Hazard symbols

none

R-phrases

R 10: Flammable.

S-phrases

S 24/25: Avoid contact with skin and eyes.

Special labelling

none

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SECTION 16: Other informations**Observe employment restrictions for people** yes

648/2004/CE

not applicable

HMIS Ratings

HEALTH	1	1 - Slight Hazard
FLAMMABILITY	2	2 - Moderate Hazard
REACTIVITY	0	0 - Minimal Hazard
PERSONAL PROTECTION	B	B - Safety Glasses and Gloves

NFPA Ratings

2	TOP, FLAMMABILITY: 2 - Moderate Hazard
1 0	LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard
FLL	BOTTOM, SPECIAL NOTICE: FLL - Flammable Liquid

Modified position

none

Key / Legende:

ACGIH = American Conference of Governmental Industrial Hygienists; CAS = Chemical Abstracts Service; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations; CPR = Controlled Products Regulations; DOT = Department of Transportation; EINCES = European Inventory of Existing Commercial Chemical Substances; EPA = Environmental Protection Agency; IARC = International Agency for Research on Cancer; IATA = International Air Transport Association; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit; TSCA = Toxic Substances Control Act

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