

Elumen Hair Color

Article number 210855 – 210883

KAO USA Inc.

Linthicum Heights, MD 21090

Created: 13.08.2012, Revision 13.08.2012

Version 01

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SECTION 1: Identification of the substance / preparation and of the company**Product identifier****Elumen Hair Color**
Article number 210855 – 210883**Relevant identified uses of the substance or mixture and uses advised against**

Hair color

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, various, characteristic

CAUTION

COMBUSTIBLE 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 - <30	Propylene carbonate CAS: 108-32-7
1 - <10	Lactic acid CAS: 79-33-4
1 - <5	Ethanol CAS: 64-17-5

Comment on component parts

Substances 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.

SECTION 4: First aid measures**Description of first aid measures**

Change soaked clothing.

Inhalation

not applicable

Skin contact

When in contact with the skin, clean with soap and water.

Consult a doctor if skin irritation persists.

Eye contact

In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.

Ingestion

In the event of symptoms seek for medical treatment.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Forward this sheet to the doctor.

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SECTION 5: Fire-fighting measures

Suitable extinguishing media	All extinguishing media are suitable but method must take into account the surrounding area to minimize dispersion.
Extinguishing media that must not be used	not applicable
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	Carbon monoxide (CO) Use self-contained breathing apparatus.
Additional information	Fire residues and contaminated firefighting water must be disposed of in accordance with 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	Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.
Methods and material for containment and cleaning up	Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance with 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 sources of ignition - refrain from smoking.
Requirements for storage rooms and vessels	Keep only in original container.
Further information on storage conditions	Keep container tightly closed.

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 - <5	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	

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 handled. The resistance of these equipments to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin.
Hygiene measures	Do not eat, drink, smoke or take drugs at work. Use barrier skin cream. Wash hands before breaks and after work.
Delimitation and monitoring of the environmental exposition	See SECTION 6+7.

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SECTION 9: Physical and chemical properties

Form	Gel
Color	various
Odor	characteristic
pH-value	2,7 - 3,3
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	> 63
Flammability [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not applicable
Density [g/ml]	1,055 - 1,065 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	29000 - 36000 (20 °C / 68 °F) (Brookfield RV DVIII sp 4, 5UpM)
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature	not determined

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	No hazardous reactions known.
Conditions to avoid	See SECTION 7.2.
Incompatible materials	not determined
Hazardous decomposition products	No hazardous decomposition products known.

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

Range [%]	Substance
1 - <5	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 - <30	Propylene carbonate, CAS: 108-32-7
	LD50, oral, Rat: 34920 mg/kg (RTECS).
	LD50, dermal, Rabbit: >20000 mg/kg (IUCLID).
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.

Acute oral toxicity not determined

Acute dermal toxicity not determined

Acute inhalational 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 No classification on the basis of the calculation procedure of the preparation directive.

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 - <5	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 - <30	Propylene carbonate, CAS: 108-32-7
	NOEC, (96h), Leuciscus idus: 2200 mg/l (DIN 38412 IUCLID).
	EC50, (48h), Daphnia magna: >1000 mg/l (IUCLID).
	IC50, (72h), Desmodesmus subspicatus: >900 mg/l (IUCLID).
1 - <10	Lactic acid, CAS: 79-33-4
	EC50, (48h), Daphnia magna: 240 mg/l.
	LC50, (48h), fish: 320 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	No classification on the basis of the calculation procedure of the preparation directive. Ecological data of complete product are not available. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

Product	Coordinate disposal with the authorities if necessary.
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.

SECTION 14: Transport information

Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (ADN)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"
DOT Road Shipment Information (49 CFR)	UN/NA NA1993 Combustible liquid, n.o.s. Footnote: This material is not regulated under 49 CFR in a container of 119 gallon capacity or less when transported solely by land. Comb liq III

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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 does not contain any ingredients regulated under this list.

- SARA, 311

This product does not contain any ingredients regulated under this list.

- SARA, 313

This product does not contain any ingredients regulated under this list.

- 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 applicable

American Conference of Governmental Industrial Hygienists - ACGIH

Ingredients not listed as carcinogens.

International Agency for Research on Cancer IARC

IARC: Contains one substance Group 3: Not classifiable as to carcinogenicity to humans. (CAS: 5989-27-5)

National Toxicology Program - NTP

This product is not 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 does not require a hazard warning label in accordance with EC-directives.

Hazard symbols

none

R-phrases

none

S-phrases

none

Special labelling

Safety data sheet available for professional user on request.

SECTION 16: Other informations**Observe employment restrictions for people no**

648/2004/CE

not applicable

HMIS Ratings

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

NFPA Ratings

2		
1	1	
		-

TOP, FLAMMABILITY: 2 - Moderate Hazard

LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 1 - Slight Hazard

BOTTOM, SPECIAL NOTICE: -

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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