

Kerasilk Ultra Rich Keratin Care Deep Smoothing Mask

Article number 205659 / 190ml

KAO USA Inc.

MD 21090

Date printed 04.03.2014, Revision 04.03.2014

Version 01

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SECTION 1: Identification of the substance / preparation and of the company

Product identifier	Kerasilk Ultra Rich Keratin Care Deep Smoothing Mask Article number 205659 / 190ml
Relevant identified uses of the substance or mixture and uses advised against	hair treatment
Identified use	Cosmetics
Company	KAO USA Inc. Linthicum Heights, MD 21090 / USA Phone 001410-850-7555
Address enquiries to	
Emergency phone Company	CHEMTREC: +1 703 527-3887 (24h)
Safety Data Sheet	sdb@chemiebuero.de

SECTION 2: Hazards identification**Emergency Overview**

Appearance, Odor: viscous, white, characteristic

OSHA Regulatory Status This product is classified as non-hazardous in accordance to OSHA Standard 29 CFR 1910.1200.

Potential health effects**Potential environmental effects****SECTION 3: Composition / Information on ingredients**

The product is a mixture.

Range [%]	Substance
1 - <3	I-(+)-lactic acid CAS: 79-33-4
1 - <3	N-[3-(dimethylamino)propyl]docosanamid CAS: 60270-33-9
0,1 - <1	N,N-dimethyl-3-(octadecyloxy)propylamine CAS: 17517-01-0
0,1 - <1	Quaternary ammonium compounds, C20-22-alkyltrimethyl, chlorides CAS: 68607-24-9
0,25 - <1	Trimethyloctadecylammonium chloride CAS: 112-03-8
0,1 - <0,5	Lanolin acid, salt with N,N-dimethyl-3-octadecyloxypropylamine
0,1 - <0,5	N,N-Dimethyl-3-octadecyloxypropylamine lactate

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%. For full text of H-statements and R-phrases: see SECTION 16.

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	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Seek medical advice immediately. Do not induce vomiting.
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	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 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 within the regulations.

SECTION 7: Handling and storage

Precautions for safe handling	No special measures necessary if used correctly.
Requirements for storage rooms and vessels	Keep only in original container. Prevent penetration into the ground.
Advice on storage compatibility	Do not store together with food and animal food/diet.
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)	not applicable
Respiratory protection	not applicable
Hand protection	Not required under normal conditions. In full contact: butyl rubber, > 120 min (EN 374)
Eye protection	Not required under normal conditions.
Skin protection	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.
General protective measures	Avoid contact with eyes.
Hygiene measures	Wash hands before breaks and after work.
Delimitation and monitoring of the environmental exposition	See SECTION 6+7.

SECTION 9: Physical and chemical properties

Form	viscous
Color	white
Odor	characteristic
pH-value	3,3 - 3,8
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	not applicable
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]	~0,99 (20 °C / 68,0 °F)
Bulk density [kg/m ³]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	3000 - 15000 cP (20 °C / 68 ° F) (Brookfield RV DVIII sp 93, 5 rpm)
Relative vapour density determined in air	not applicable
Evaporation speed	not applicable
Melting point [°C]	not determined
Autoignition temperature [°C]	not applicable
Decomposition temperature [°C]	not determined

SECTION 10: Stability and reactivity

Reactivity	No dangerous reactions known if used as directed.
Chemical stability	Stable under normal ambient conditions (ambient temperature).
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.

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

Range [%]	Substance
0,1 - <1	Quaternary ammonium compounds, C20-22-alkyltrimethyl, chlorides, CAS: 68607-24-9 LD50, oral, Rat: >2000 mg/kg (OECD 401).
1 - <3	l-(+)-lactic acid, CAS: 79-33-4 LD50, dermal, Rabbit: >2000 mg/kg. LD50, oral, mouse: 4875 mg/kg. LD50, oral, Rat: 3730 mg/kg.
0,25 - <1	Trimethyloctadecylammonium chloride, CAS: 112-03-8 LD50, oral, Rat: 500 - 2000 mg/kg (OECD 401).
1 - <3	N-[3-(dimethylamino)propyl]docosanamid, CAS: 60270-33-9 LD50, oral, Rat: > 2000 mg/kg.

Acute oral toxicity not determined**Acute dermal toxicity** not determined**Acute inhalational toxicity** not determined**Serious eye damage/irritation** HET-CAM: Non-irritant.**Skin corrosion/irritation** Human patch testing: negative**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. 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.

SECTION 12: Ecological information**Toxicity**

Range [%]	Substance
0,1 - <1	Quaternary ammonium compounds, C20-22-alkyltrimethyl, chlorides, CAS: 68607-24-9
	LC50, (96h), fish: 0,5 mg/l (OECD 203).
	EC50, (72h), <i>Desmodesmus subspicatus</i> : 3,4 mg/l (OECD 201).
	EC50, (48h), <i>Daphnia magna</i> : 1,4 mg/l (OECD 202).
1 - <3	NOEC, (21d), <i>Daphnia magna</i> : 0,13 mg/l (OECD 211).
	I-(+)-lactic acid, CAS: 79-33-4
	LC50, (48h), fish: 320 mg/l.
	EC50, (48h), <i>Daphnia magna</i> : 240 mg/l.
0,25 - <1	Trimethyloctadecylammonium chloride, CAS: 112-03-8
	LC50, (96h), <i>Danio rerio</i> : 0,15 mg/l (OECD 203).
	EC50, (72h), <i>Pseudokirchneriella subcapitata</i> : 0,08 mg/l (OECD 201).
	EC50, (48h), <i>Daphnia magna</i> : 0,0378 mg/l (OECD 202).
1 - <3	NOEC, (72h), <i>Pseudokirchneriella subcapitata</i> : 0,04 mg/l (OECD 202).
	N-[3-(dimethylamino)propyl]docosanamid, CAS: 60270-33-9
	LC50, (96h), fish: 1 - 10 mg/l.
	EC50, (72h), Algae: 1 - 10 mg/l.
	EC50, (48h), <i>Daphnia magna</i> : 1 - 10 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.

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)	NOT CLASSIFIED AS "DANGEROUS GOODS"

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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

No chemical substances in this material are named on the California P65 list.

- TSCA

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

- FDA

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 not named NTP - National Toxicology Program.

HAP-VOC

not applicable

Transport-regulations

DOT-Classification, ADR (2013); IMDG-Code (2013, 36. Amdt.); IATA-DGR (2013).

Other Right to Know Laws**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 information**Observe employment restrictions for people**

no

Customs Tariff

not determined

HMIS Ratings

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	X

1 - Slight Hazard

0 - Minimal Hazard

0 - Minimal Hazard

X - Personal protection rating to be supplied by user depending on use conditions

NFPA Ratings

0
1 0
-

TOP, FLAMMABILITY: 0 - Minimal Hazard

LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard

BOTTOM, SPECIAL NOTICE: -

Modified position

none

Safety Data Sheet (SDS) conforms to ANSI Z400.1/Z129.1-2010 (29 CFR 1910) (US)

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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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