

**Kerasilk Rich Keratin Care Silk Fluid**

Article number 205734 – 100ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 17.04.2013, Revision 17.04.2013

Version 01

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

**Product identifier** **Kerasilk Rich Keratin Care Silk Fluid**  
**Article number 205734 – 100ml**

**Relevant identified uses of the substance or mixture and uses advised against** Care product

**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:** Cream  
viscous, apricot-coloured, characteristic

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

**Potential health effects**

**Potential environmental effects**

**SECTION 3: Composition / Information on ingredients**

The product is a mixture.

Range [%]	Substance
1 - <15	Octamethyltrisiloxane CAS: 107-51-7
0,1 - <1,5	Trimethyl phenyl silsesquioxane CAS: 73559-47-4

**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** Ensure supply of fresh air.  
In the event of symptoms seek for medical treatment.

**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**

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

**SECTION 6: Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	High risk of slipping due to leakage/spillage of product.
<b>Environmental precautions</b>	Do not discharge into the drains/surface waters/groundwater.
<b>Methods and material for containment and cleaning up</b>	Take up mechanically. Take up residues with absorbent material (f.ex. diatomaceous earth). Dispose of absorbed material in accordance within the regulations.

**SECTION 7: Handling and storage**

<b>Precautions for safe handling</b>	No special measures necessary if used correctly.
<b>Advice on protection against fire and explosion</b>	The product is combustible.
<b>Requirements for storage rooms and vessels</b>	Keep only in original container. Prevent penetration into the ground.
<b>Further information on storage conditions</b>	Keep container tightly closed. Protect from heat/overheating.

**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	Octamethyltrisiloxane
	CAS: 107-51-7, EINECS/ELINCS: 203-497-4
	Long-term exposure: 200 ppm, CRMG (Chemical Manufacturer Recommended Exposure Guidelines) TWA

<b>Respiratory protection</b>	Not required under normal conditions.
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. butyl rubber, > 120 min (EN 374)
<b>Eye protection</b>	If there is a risk of splashing: Safety glasses.
<b>Skin protection</b>	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.
<b>General protective measures</b>	Avoid contact with eyes.
<b>Hygiene measures</b>	Do not eat, drink, smoke or take drugs at work. Wash hands before breaks and after work.
<b>Delimitation and monitoring of the environmental exposition</b>	See SECTION 6+7.

**SECTION 9: Physical and chemical properties**

<b>Form</b>	Cream viscous
<b>Color</b>	apricot-coloured
<b>Odor</b>	characteristic
<b>pH-value</b>	4,0 - 5,5
<b>pH-value [1%]</b>	not determined
<b>Boiling point [°C]</b>	not determined
<b>Flash point [°C]</b>	> 70
<b>Flammability [°C]</b>	not determined
<b>Lower explosion limit</b>	not determined
<b>Upper explosion limit</b>	not determined
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	not determined
<b>Density [g/ml]</b>	0,97 (20 °C / 68,0 °F)
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	virtually insoluble
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Viscosity</b>	25000 - 50000 cP (Brookfield RV DVIII sp 5, 5 rpm )
<b>Relative vapour density determined in air</b>	not determined
<b>Evaporation speed</b>	not determined
<b>Melting point [°C]</b>	not determined
<b>Autoignition temperature [°C]</b>	not determined
<b>Decomposition temperature</b>	not determined

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	No dangerous reactions known if used as directed.
<b>Chemical stability</b>	Stable under normal ambient conditions (ambient temperature).
<b>Possibility of hazardous reactions</b>	No hazardous reactions known.
<b>Conditions to avoid</b>	Strong heating.
<b>Incompatible materials</b>	not determined
<b>Hazardous decomposition products</b>	No hazardous decomposition products known.

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

Range [%]	Substance
0,1 - <1,5	Trimethyl phenyl silsesquioxane, CAS: 73559-47-4
	LC50, inhalative, Rat: 0,467 mg/l 4h dust/mist (Lit.).
	LD50, dermal, Rabbit: > 2000 mg/kg (Lit.).
1 - <15	Octamethyltrisiloxane, CAS: 107-51-7
	LD50, oral, Rat: > 2000 mg/kg.
	LC50, inhalative, Rat: > 22,6 mg/l/4h.

**Acute oral toxicity** not determined

**Acute dermal toxicity** not determined

**Acute inhalational toxicity** not determined

**Serious eye damage/irritation** not determined

**Skin corrosion/irritation** not determined

**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.

**SECTION 12: Ecological information****Toxicity**

**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** Untainted 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"

**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
Hazard pictograms	
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.

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**SECTION 16: Other information**

Observe employment restrictions for people no

Customs Tariff not determined

**HMIS Ratings**

<b>HEALTH</b>	<b>1</b>	1 - Slight Hazard
<b>FLAMMABILITY</b>	<b>2</b>	2 - Moderate Hazard
<b>REACTIVITY</b>	<b>0</b>	0 - Minimal Hazard
<b>PERSONAL PROTECTION</b>	<b>X</b>	X - Personal protection rating to be supplied by user depending on use conditions

**NFPA Ratings**

<b>2</b>	TOP, FLAMMABILITY: 2 - Moderate Hazard
<b>1 0</b>	LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard
<b>-</b>	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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