

Kerasilk Keratin Smooth Intense

Article number 205666-500ml / 205667-50ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 06.05.2013, Revision 06.05.2013

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

| | |
|--|--|
| Product identifier | Kerasilk Keratin Smooth Intense Article number 205666-500ml / 205667-50ml |
| Relevant identified uses of the substance or mixture and uses advised against | 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: Cream, white, 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 - <5 | Aminofunctional siloxane CAS: 68554-54-1 |
| 0,1 - <1 | Quaternary ammonium compounds, C20-22-alkyltrimethyl, chlorides CAS: 68607-24-9 |
| 0,1 - <0,5 | 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one CAS: 54464-57-2 |

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 | No special measures necessary. |
| 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 | Do not induce vomiting. Seek medical advice. |
| 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 | No special measures necessary. |
| 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. |
| 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 | Do not eat, drink, smoke or take drugs at work. 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 | Cream |
| Color | white |
| Odor | characteristic |
| pH-value | 4,3 - 4,9 |
| 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] | ~1,0 (20 °C / 68,0 °F) |
| Bulk density [kg/m³] | not applicable |
| Solubility in water | miscible |
| Partition coefficient [n-octanol/water] | not determined |
| Viscosity | 3500 - 7000 cP (20 °C / 68 ° F) (Brookfield RV DVIII Sp 4; 10 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 | 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 |
|-----------|--|
| 0,1 - <1 | Quaternary ammonium compounds, C20-22-alkyltrimethyl, chlorides, CAS: 68607-24-9 |
| | LD50, oral, Rat: >2000 mg/kg (OECD 401). |

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**

| Range [%] | Substance |
|-----------|--|
| 0,1 - <1 | Quaternary ammonium compounds, C20-22-alkyltrimethyl, chlorides, CAS: 68607-24-9 |
| | NOEC, (21d), Daphnia magna: 0,13 mg/l (OECD 211). |
| | LC50, (96h), fish: 0,5 mg/l (OECD 203). |
| | EC50, (48h), Daphnia magna: 1,4 mg/l (OECD 202). |
| | EC50, (72h), Desmodesmus subspicatus: 3,4 mg/l (OECD 201). |

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.

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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 |
| Labelling | The product is required to be labelled 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 | 1 - Slight Hazard |
| FLAMMABILITY | 0 | 0 - Minimal Hazard |
| REACTIVITY | 0 | 0 - Minimal Hazard |
| PERSONAL PROTECTION | X | X - Personal protection rating to be supplied by user depending on use conditions |

NFPA Ratings

| | |
|-----|---|
| 0 | TOP, FLAMMABILITY: 0 - Minimal Hazard |
| 1 0 | 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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