

DS Rich Repair Regeneration Serum

Article number 205591=12x18ml (2L5591=18ml)

KAO USA Inc.

Linthicum Heights, MD 21090

Created: 22.02.2013, Revision 15.02.2013

Version 01

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

Product identifier	DS Rich Repair Regeneration Serum Article number 205591=12x18ml (2L5591=18ml)
Relevant identified uses of the substance or mixture and uses advised against	Care serum
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: liquid, LP: colourless
UP: colourless
BP: beige
BP: light brown, characteristic

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

The product is a mixture.

Range [%]	Substance
1 - <15	Ethanol CAS: 64-17-5
1 - <10	Octamethyltrisiloxane CAS: 107-51-7
0,1 - <1	Glyoxylic acid CAS: 298-12-4
0,1 - <0,25	Quaternary ammonium compounds, di-C12-15-alkyldimethyl, chlorides CAS: 68910-56-5
0,1 - <1	Quaternary ammonium compounds, C16-18-alkyltrimethyl, chlorides CAS: 68002-62-0

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.
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	In case of contact with skin wash off immediately 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	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)	not applicable
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	If there is a risk of splashing: Safety glasses.
Skin protection	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.
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. Do not inhale vapours.
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	liquid
Color	LP: colourless UP: colourless BP: beige BP: light brown
Odor	characteristic
pH-value	4,4 - 4,5 (LP); 3,7 - 4,3 (BP)
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	38,5 - 42,5 ; 100 - 108 °F (LP) / 34,0 - 38,0 ; 93 - 100 °F (UP)
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]	0,9757 - 0,9797 (LP)/ 0,8192 - 0,8232 (UP)/ 0,9974 - 1,0014 (BP) (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	LP: miscible UP: immiscible BP: miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	not determined
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	Ethanol, CAS: 64-17-5
	LD50, oral, Rat: 10470 mg/kg (OECD 401).
	LD50, dermal, Rabbit: > 2000 mg/kg (OECD 402).
	LC50, inhalative, Rat: 117-125 mg/l/4h (OECD 403).
	NOAEL, Rat: > 3000 mg/kg/d (24 month OECD 451).

Acute oral toxicity	not determined
Acute dermal 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

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
0,1 - <0,25	Quaternary ammonium compounds, di-C12-15-alkyldimethyl, chlorides, CAS: 68910-56-5 LC50, (96h), fish: 0,42 mg/l.
1 - <15	Ethanol, CAS: 64-17-5 EC50, (48h), Selenastrum capricornutum: 12900 mg/l (OECD 201). EC50, (72h), Algae: 275 mg/l (OECD 201). LC50, (48h), Daphnia magna: 12340 mg/l. LC50, (96h), Oncorhynchus mykiss: 13000 mg/l (OECD 203).

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.

SECTION 14: Transport information

Transport by land according to ADR/RID

UN 1993 Flammable liquid, n.o.s. (Octamethyltrisiloxane, Ethanol) 3 III

- Classification Code

F1

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

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

Inland navigation (ADN)

UN 1993 Flammable liquid, n.o.s. (Octamethyltrisiloxane, Ethanol) 3 III

- Classification Code

F1

- Label



Marine transport in accordance with IMDG

UN 1993 Flammable liquid, n.o.s. (Octamethyltrisiloxane, Ethanol) 3 III

- EMS

F-E, S-E

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

UN 1993 Flammable liquid, n.o.s. (Octamethyltrisiloxane, Ethanol-mixture) 3 III

- Label



DOT Road Shipment Information (49 CFR)

UN/NA 1993 Flammable liquid, n.o.s. (Octamethyltrisiloxane, Ethanol) 3 III

- Label



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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 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

not determined

Transport-regulations

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

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**Signal word**

WARNING

Hazard statements

H226 Flammable liquid and vapour.

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 23.4: Do not breathe spray.

S 51: Use only in well-ventilated areas.

S 60: This material and its container must be disposed of as hazardous waste.

Special labelling**SECTION 16: Other information****Observe employment restrictions for people**

yes

648/2004/CE

not applicable

HMIS Ratings

HEALTH	1	1 - Slight Hazard
FLAMMABILITY	3	3 - Severe Hazard
REACTIVITY	0	0 - Minimal Hazard
PERSONAL PROTECTION	X	X - Personal protection rating to be supplied by user depending on use conditions

NFPA Ratings

TOP, FLAMMABILITY: 3 - Severe Hazard

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

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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