

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

**GW Kerasilk Control Purifying Shampoo
Article number 265206-1000ml**

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant uses

Shampoo
hair treatment

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company KAO USA Inc.
2535 Spring Grove Avenue
Cincinnati, Ohio 45214 / USA
Phone

Address enquiries to

Technical information

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Company CHEMTREC: +1 703 527-3887 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye Dam. 1: H318 Causes serious eye damage.
Skin Irrit. 2: H315 Causes skin irritation.

2.2 Label elements

The product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200 (HCS 2012)
This preparation is excluded as cosmetics for labelling requirements of 29 CFR 1910.1200-HCS 2012 in accordance to (b)(5)(iii).

Special labelling

2.3 Other hazards

Physico-chemical hazards No particular hazards known.

Human health dangers If swallowed or in the event of vomiting, risk of product entering the lungs.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
10 - < 15	Alkylethersulphate sodium salt CAS: 68891-38-3, EINECS/ELINCS: 500-234-8
1 - < 5	C8-18 Alkylamidopropylbetaine EINECS/ELINCS: 931-296-8, Reg-No.: 01-2119488533-30
1 - < 5	Alcylpolyglycoside CAS: 110615-47-9, Reg-No.: 01-2119489418-23-XXXX
0,1 - < 1	Glyoxylic acid CAS: 298-12-4, EINECS/ELINCS: 206-058-5, Reg-No.: 01-2119487011-47

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

4.1 Description of first aid measures

General information

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.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

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.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Sulphur oxides (SOx).

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.

Forms slippery surfaces with water.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).

Do not discharge into the drains/surface waters/groundwater.

6.3 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.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No special measures necessary if used correctly.

Do not eat or drink when working.

Wash hands before breaks and after work.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (US)

not applicable

DNEL

Range [%]	Substance
1 - < 5	Alcylpolyglycoside, CAS: 110615-47-9
	Industrial, inhalative, Long-term - systemic effects: 420 mg/m ³ .
	Industrial, dermal, Long-term - systemic effects: 595000 mg/kg.
	general population, oral, Long-term - systemic effects: 35,7 mg/kg.
	general population, dermal, Long-term - systemic effects: 357000 mg/kg.
	general population, inhalative, Long-term - systemic effects: 124 mg/m ³ .
0,1 - < 1	Glyoxylic acid, CAS: 298-12-4
	Industrial, inhalative, Long-term - systemic effects: 9,4 mg/m ³ .
	Industrial, dermal, Long-term - systemic effects: 4 mg/kg bw/d.

PNEC

Range [%]	Substance
1 - < 5	Alcylpolyglycoside, CAS: 110615-47-9
	soil, 0,654 mg/kg.
	sediment (seaater), 0,048 mg/kg.
	sediment (freshwater), 0,487 mg/kg.
	sewage treatment plants (STP), 5000 mg/l.
	seawater, 0,005 mg/l.
	freshwater, 0,1 mg/l.
0,1 - < 1	Glyoxylic acid, CAS: 298-12-4
	oral (food), 13,2999 mg/kg food.
	sewage treatment plants (STP), 200 mg/l.
	soil, 0,0163 mg/kg dw.
	sediment (seaater), 0,0375 mg/kg dw.
	sediment (freshwater), 0,375 mg/kg dw.
	seawater, 0,01 mg/l.
	freshwater, 0,1 mg/l.

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	If there is a risk of splashing: Safety glasses.
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: butyl rubber, > 120 min (EN 374)
Skin protection	None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes.
Respiratory protection	Not required under normal conditions.
Thermal hazards	none
Delimitation and monitoring of the environmental exposition	See SECTION 6+7.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid viscous
Color	colourless
Odor	characteristic
Odour threshold	not applicable
pH-value	4,8 - 5,6
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]	1,0443 - 1,0483 (20 °C / 68,0 °F)
Bulk density [kg/m ³]	No information available.
Solubility in water	miscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	6000 - 11000 mPas (20 °C / 68 ° F) (Brookfield RV DVIII sp 3, 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

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

See SECTION 7.2.

10.5 Incompatible materials

not determined

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Range [%]	Substance
1 - < 5	Alcylpolyglycoside, CAS: 110615-47-9
	LD50, dermal, Rabbit: > 2000 mg/kg (OECD 402).
	LD50, oral, Rat: > 2000 mg/kg (84/449/EEC B1).
0,1 - < 1	Glyoxylic acid, CAS: 298-12-4
	LD50, dermal, Rat: > 2000 mg/kg bw (50%).
	LD50, oral, Rat: 2528 mg/kg bw (50%).
1 - < 5	C8-18 Alkylamidopropylbetaine
	LD50, oral, Rat: > 2000 mg/kg.
10 - < 15	Alkylethersulphate sodium salt, CAS: 68891-38-3
	LD50, dermal, Rat: >2000 mg/kg.
	LD50, oral, Rat: >2000 mg/kg.

Serious eye damage/irritation

Toxicological data of complete product are not available.
Risk of serious damage to eyes.
Calculation method

Skin corrosion/irritation

[Single Patch Test (3x 48h)]:IS= 0,5 (10%)
Slight irritant effect.

Respiratory or skin sensitisation

Toxicological data of complete product are not available.
No classification.
Calculation method

Specific target organ toxicity — single exposure

Toxicological data of complete product are not available.
No classification.
Calculation method

Specific target organ toxicity — repeated exposure

Toxicological data of complete product are not available.
No classification.
Calculation method

Mutagenicity

Toxicological data of complete product are not available.
No classification.
Calculation method

Reproduction toxicity

Toxicological data of complete product are not available.
No classification.
Calculation method

Carcinogenicity

Toxicological data of complete product are not available.
No classification.
Calculation method

Aspiration hazard

Based on available data, the classification criteria are not met.

General remarks

Toxicological data of complete product are not available.
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 an

SECTION 12: Ecological information

12.1 Toxicity

Range [%]	Substance
0,1 - < 1	Glyoxylic acid, CAS: 298-12-4
	LC50, (96h), Brachidanio rerio: > 200 mg/l (50%).
	EC50, (72h), Selenastrum capricornutum: 67,5 mg/l (50%).
	EC50, (24h), Daphnia magna: > 200 mg/l (50%).
10 - < 15	Alkylethersulphate sodium salt, CAS: 68891-38-3
	LC50, (96h), fish: 7,1 mg/l.
	EC50, (48h), Daphnia magna: 7,4 mg/l.
	EC50, (72h), Algae: 27,7 mg/l.
	NOEC, (72h), Algae: 0,95 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	The product can cause foaming in sewage treatment plants.
Biological degradability	not determined

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

No information available.

12.6 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

13.1 Waste treatment methods

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

14.1 UN number

See SECTION 14.2 in accordance with UN shipping name

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

Safety Data Sheet (SDS) according to OSHA-GHS (29 CFR 1910.1200 HCS 2012) (US)

GW Kerasilk Control Purifying Shampoo

Article number 265206-1000ml

KAO USA Inc.

Cincinnati, Ohio 45214

Date printed 05.08.2015, Revision 05.08.2015

Version 01

Page 8 / 9

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"

14.3 Transport hazard class(es)

See SECTION 14.2 in accordance with UN shipping name

14.4 Packing group

See SECTION 14.2 in accordance with UN shipping name

14.5 Environmental hazards

See SECTION 14.2 in accordance with UN shipping name

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

29 CFR 1910.1200-HCS 2012, 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

not applicable

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 (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).

SECTION 16: Other information

16.1 Ratings

HMIS Ratings

HEALTH	2	2 - Moderate Hazard
FLAMMABILITY	0	0 - Minimal Hazard
PHYSICAL HAZARD	0	0 - Minimal Hazard
PERSONAL PROTECTION	X	X - Personal protection rating to be supplied by user depending on use conditions

NFPA Ratings

0
2 0
-

TOP, FLAMMABILITY: 0 - Minimal Hazard

LEFT, HEALTH: 2 - Moderate Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard

BOTTOM, SPECIAL NOTICE: -

16.2 Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists;
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route;
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses;
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure;
CAS = Chemical Abstracts Service;
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act;
CFR = Code of Federal Regulations;
CPR = Controlled Products Regulations;
DMEL = Derived Minimum Effect Level;
DNEL = Derived No Effect Level;
DOT = Department of Transportation;
EC50 = Median effective concentration;
EPA = Environmental Protection Agency;
GHS = Globally Harmonized System of Classification and Labelling of Chemicals;
IATA = International Air Transport Association;
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IC50 = Inhibition concentration, 50%;
IMDG = International Maritime Code for Dangerous Goods;
IARC = International Agency of Research on Cancer;
IATA = International Air Transport Association;
TSCA = Toxic Substance Control Act;
HMIS = Hazardous Materials Identification System;
NFPA = National Fire Protection Association;
NIOSH = National Institute for Occupational Safety and Health;
OSHA = Occupational Safety and Health Administration;
LC50 = Lethal concentration, 50%;
LD50 = Median lethal dose, 50%;
MARPOL = International Convention for the Prevention of Marine Pollution from Ships;
PBT = Persistent, Bioaccumulative and Toxic substance;
PNEC = Predicted No-Effect Concentration;
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals;
SARA = Superfund Amendments and Reauthorization Act;
TLV@TWA = Threshold limit value – time-weighted average;
TLV@STEL = Threshold limit value – short-time exposure limit;
VOC = Volatile Organic Compounds;
vPvB = very Persistent and very Bioaccumulative;

16.3 Other information

Classification procedure

Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)

Modified position

none