

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

**1.1 Product identifier**

**GW Kerasilk Reconstruct Split Ends Recovery Concentrate  
Article number 265220-28ml / 265288-2x1ml**

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

**1.2.1 Relevant uses**

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**

Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.  
Aquatic Chronic 4: H413 May cause long lasting harmful effects to aquatic life.  
Flam. Liq. 4: H227 Combustible Liquid.

**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).

**2.3 Other hazards**

**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
40 - 60	Alkanes, C10-13-Iso CAS: 68551-17-7, EINECS/ELINCS: 271-366-9
10 - < 15	Isododecane CAS: 31807-55-3, EINECS/ELINCS: 250-816-8, Reg-No.: 01-2119490725-29-XXXX GHS/CLP: Flam. Liq. 3: H226 - Asp. Tox. 1: H304 - Aquatic Chronic 4: H413

**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: see SECTION 16.

#### SECTION 4: First aid measures

##### 4.1 Description of first aid measures

General information	none
Inhalation	Ensure supply of fresh air.
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. Rinse out mouth and give plenty of water to drink. Get medical advice.

##### 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.  
If swallowed or in the event of vomiting, risk of product entering the lungs.

#### SECTION 5: Fire-fighting measures

##### 5.1 Extinguishing media

Suitable extinguishing media	Foam, dry powder, water spray jet, carbon dioxide.
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.

##### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.  
Cool containers at risk with water spray jet.

#### SECTION 6: Accidental release measures

##### 6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.  
Keep away from all sources of ignition.

##### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.  
Prevent spread over a wide area (e.g. by containment or oil barriers).

##### 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 within the regulations.

##### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid spilling or spraying in enclosed areas.  
Use only in well-ventilated areas.

The product is combustible.  
Keep away from sources of ignition - refrain from smoking.

Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep container tightly closed.  
Keep in a well-ventilated place.

### 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)

Range [%]	Substance
10 - < 15	Isododecane
	CAS: 31807-55-3, EINECS/ELINCS: 250-816-8, Reg-No.: 01-2119490725-29-XXXX
	Long-term exposure: 100 ppm, 525 mg/m <sup>3</sup> , OSHA

### 8.2 Exposure controls

**Additional advice on system design** Ensure adequate ventilation on workstation.

**Eye protection** Not required under normal conditions.  
If there is a risk of splashing:  
safety glasses (EN 166:2001)

**Hand protection** The details concerned are recommendations. Please contact the glove supplier for further information.  
Not required under normal conditions.  
In full contact:  
> 0,2 mm: butyl rubber, > 120 min (EN 374)

**Skin protection** Not required under normal conditions.

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.  
Breathing apparatus in the event of high concentrations.

**Thermal hazards** none

**Delimitation and monitoring of the environmental exposition** Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	liquid
Color	colourless
Odor	characteristic
Odor threshold	not determined
pH-value	not determined
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	> 64°C
Flammability [°C]	not applicable
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapor pressure/gas pressure [kPa]	not applicable
Density [g/ml]	0,7842 - 0,7892
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	< 20,5 mm <sup>2</sup> /s (40°C)
Relative vapor 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

Refractive index: 1,4349 - 1,4419

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

### 10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

### 10.4 Conditions to avoid

Strong heating.

### 10.5 Incompatible materials

Oxidizing agent

### 10.6 Hazardous decomposition products

No hazardous decomposition products known.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Range [%]	Substance
10 - < 15	Isododecane, CAS: 31807-55-3
	LD50, dermal, Rabbit: >5000 mg/kg.
	LD50, oral, Rat: >5000 mg/kg.
	LC50, inhalative, Rat: 21.3 g/m <sup>3</sup> (1h).
	LC50, inhalative, Rat: >1850 g/m <sup>3</sup> (4h).

<b>Serious eye damage/irritation</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Skin corrosion/irritation</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Respiratory or skin sensitisation</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Specific target organ toxicity — single exposure</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Specific target organ toxicity — repeated exposure</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Mutagenicity</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Reproduction toxicity</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Carcinogenicity</b>	Based on the information available, the classification criteria have not been fulfilled.
<b>Aspiration hazard</b>	Based on the information available, the classification criteria have been fulfilled.
<b>General remarks</b>	

Toxicological data of complete product are not available.

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

### 12.1 Toxicity

Range [%]	Substance
10 - < 15	Isododecane, CAS: 31807-55-3
	EL50, (72h), <i>Pseudokirchneriella subcapitata</i> : > 1000 mg/l.
	EL50, (96h), <i>Daphnia magna</i> : > 1000 mg/l.
	LL0, (96h), <i>Oncorhynchus mykiss</i> : 1000 mg/l.
	NOAEL, (72h), <i>Pseudokirchneriella subcapitata</i> : 1000 mg/l.

### 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Biological degradability</b>	not determined

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

#### 12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

#### 12.6 Other adverse effects

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 disposal contractor/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
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"

#### 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

### US Regulations

<b>National regulations</b>	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
<b>American Conference of Governmental Industrial Hygienists - ACGIH</b>	Ingredients not listed as carcinogens.
<b>International Agency for Research on Cancer IARC</b>	Ingredients not listed as carcinogens.
<b>National Toxicology Program - NTP</b>	This product is not named NTP - National Toxicology Program.
<b>HAP-VOC</b>	not determined
<b>Transport-regulations</b>	DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2015).

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 03)

H413 May cause long lasting harmful effects to aquatic life.  
H304 May be fatal if swallowed and enters airways.  
H226 Flammable liquid and vapor.

### 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;

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

GW Kerasilk Reconstruct Split Ends Recovery Concentrate

Article number 265220-28ml / 265288-2x1ml

KAO USA Inc.

Cincinnati, Ohio 45214

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### 16.3 Ratings

#### HMIS Ratings

HEALTH	1	1 - Slight Hazard
FLAMMABILITY	2	2 - Moderate 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

2
1 0
-

TOP, FLAMMABILITY: 2 - Moderate Hazard

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

BOTTOM, SPECIAL NOTICE: -

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