

## SAFETY DATA SHEET

according to 1907/2006 EC, Article 31

### KeraStraight KS Complex Treatment

Revision 0  
Revision date 22-Nov-2010

#### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

<b>Product name</b>	KeraStraight KS Complex Treatment
<b>Description</b>	KeraStraight KS Complex Treatment is an advanced Brazilian Keratin Repairing & Straightening Treatment that rebuilds with Keratin and creates a straight effect that lasts up to 4 months. This ground breaking aldehyde free treatment has been passed completely safe and acceptable for use as a hair treatment.
<b>Company</b>	KeraStraight Ltd Office 404, 4th Floor Albany House 324/326 Regent Street London W1B 3HH United Kingdom info@kerastraight.co.uk    www.kerastraight.co.uk
<b>Telephone</b>	0845 459 0026
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#### 2 HAZARDS IDENTIFICATION.

<b>Main hazards</b>	May cause sensitisation by skin contact.
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## 3 . COMPOSITION / INFORMATION ON INGREDIENTS.

### Hazardous ingredients

	Conc.	CAS	EINECS	Symbols/Risk phrases
AQUA	80 - 90%	7732-18-5		
DICAPRYLYL CARBONATE	1 - 10%	1680-31-5		
CETYL ALCOHOL	1 - 10%	36653-82-4	253-149-0	Xi; R38
UREA	0.5 - 1%	57-13-6	200-315-5	
HYDROLYZED KERATIN	0.5 - 1%	69430-36-0		
LANOLIN	0.5 - 1%	8006-54-0	232-348-6	
PARFUM	0.5 - 1%			Xi; R43 N; R51/53
MORINGA OLEIFERA LEAF EXTRACT	0.5 - 1%	93163-54-9		
HYDROLYZED COLLAGEN	0 - 0.5%	92113-31-0		
DIMETHICONE	0 - 0.5%	63148-62-9		
POLYQUATERNIUM 7	0 - 0.5%	26590-05-6		
DIMETHICONOL	0 - 0.5%	31692-79-2		
CETYLTRIMETHYLAMMONIUM CHLORIDE	0 - 0.5%	112-02-7	203-928-6	Xi; R37/38-41 N; R50
CYCLOMETHICONE	0 - 0.5%	541-02-6	208-764-9	Xi; R36/37/38
Polyquaternium-37	0 - 0.5%	26161-33-1		
Theobroma grandiflorum Seed Butter	0 - 0.5%	94236-97-6		
C.I. 77480 (GOLD)	0 - 0.5%	7440-57-5	231-165-9	
CITRIC ACID	0 - 0.5%	77-92-9	201-069-1	
CARBOCYSTEINE	0.5 - 1%	638-23-3		
D-PANTHENOL	0 - 0.5%	81-13-0	201-327-3	
METHYLCHLOROISOTHIAZOLINONE	0 - 0.5%	26172-55-4	247-500-7	C; R34 Xi; R43 N; R50
METHYLLISOTHIAZOLIONE	0 - 0.5%	2682-20-4	220-239-6	T; R23/24/25 C; R34 Xi; R43 N; R50
ISOHEXADECANE	0.5 - 1%	4390-04-9	224-506-8	Xi; R36/37/38

## 4. FIRST AID MEASURES

<b>Skin contact</b>	Seek medical attention if irritation or symptoms persist.
<b>Eye contact</b>	Avoid contact with eyes. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist.
<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Ingestion</b>	DO NOT INDUCE VOMITING. Rinse mouth thoroughly.

## 5. FIRE FIGHTING MEASURES

<b>Extinguishing media</b>	Use extinguishing media appropriate to the surrounding fire conditions.
<b>Fire hazards</b>	This product is not flammable.
<b>Protective equipment</b>	Wear self contained breathing apparatus and protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Avoid contact with eyes.
<b>Clean up methods</b>	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Surfaces contaminated with the product will become slippery.

## 7. HANDLING AND STORAGE

<b>Storage</b>	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers. This product should be stored in a clean environment away from direct heat sources. Follow good hygiene practice.
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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering measures</b>	Ensure adequate ventilation of the working area.
<b>Occupational exposure controls</b>	Keep away from food, drink and animal feedingstuffs.
<b>Respiratory protection</b>	Not normally required.
<b>Hand protection</b>	Sensitive individuals should wear gloves when handling this product. Gloves should be worn for extended use with the product. Wash hands after handling the product.
<b>Eye protection</b>	Avoid contact with eyes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Description</b>	Cream emulsion.
<b>Colour</b>	White.
<b>Odour</b>	Characteristic.
<b>pH</b>	2.2
<b>Water solubility</b>	miscible in water.

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
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## 11. TOXICOLOGICAL INFORMATION

### Toxicological information

AQUA	Oral Rat LD50 = >90 mL/kg
CETYL ALCOHOL	Oral Mouse LD50 = 3200 mg/kg Oral Rat LD50 = 5 gm/kg Dermal Rabbit LD50 = >2600 mg/kg
UREA	Oral Mouse LD50 = 11 gm/kg Oral Rat LD50 = 8471 mg/kg
CYCLOMETHICONE	Oral Rat LD50 = >24134 mg/kg Dermal Rabbit LD50 = >16 mL/kg
CITRIC ACID	Oral Mouse LD50 = 7280 mg/kg Oral Rat LD50 = 3 gm/kg
CARBOCYSTEINE	Oral Mouse LD50 = 8400 mg/kg Oral Rat LD50 = >15 gm/kg

<b>Acute toxicity</b>	No specific toxicological testing has been carried out on this product. All ingredients in this preparation have been incorporated under the controls of the current legislative requirements.
<b>Corrosivity</b>	May cause irritation to eyes.
<b>Sensitization</b>	May cause sensitisation by skin contact.
<b>Repeated or prolonged exposure</b>	May cause irritation to skin.

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## 12. ECOLOGICAL INFORMATION

**Mobility** Soluble in water.  
**Degradability** Readily biodegradable.


## 13. DISPOSAL CONSIDERATIONS

**General information** Dispose of in compliance with all local and national regulations.  
**Disposal of packaging** Containers can be recycled if in compliance with local and national regulations.

## 14. TRANSPORT INFORMATION

**Further information** The product is not classified as dangerous for carriage.

## 15. REGULATORY INFORMATION

**Labelling** The product has been classified in accordance with EU Directives 1999/45/EC and amendments, and 76/768/EEC and amendments.  
**Symbols** Xi - Irritant  
  
**Risk phrases** R43 - May cause sensitisation by skin contact.  
**Safety phrases** S24 - Avoid contact with skin.  
S37 - Wear suitable gloves.

## 16. OTHER INFORMATION

**Text of risk phrases in Section 3.** R23/24/25 - Toxic by inhalation, in contact with skin and if swallowed.  
R34 - Causes burns.  
R36/37/38 - Irritating to eyes, respiratory system and skin.  
R37/38 - Irritating to respiratory system and skin.  
R38 - Irritating to skin.  
R41 - Risk of serious damage to eyes.  
R43 - May cause sensitisation by skin contact.  
R50 - Very toxic to aquatic organisms.  
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Further information** The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

KS Complex Treatment has passed the EU test as specified in EU Directive 82/434/EEC amendment 90/207/EEC. European Union Council under Directive 93/35 EEC and the UK Cosmetic Product (safety) regulations 2004 (S.I. 2152).

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9 November 2010

Re KeraStraight KS Complex Treatment formulation dated 3 November 2010

<p>Following review of the information provided for KeraStraight KS Complex Treatment formulation dated 3 November 2010, and its ingredients, the product is considered acceptable for the intended use as a hair treatment.</p> <p>This safety assessment for human health is based upon the information available at this date. Reviews of this assessment will be made as and when new information becomes available. If significant adverse reactions are reported by consumers, a new evaluation will be made and any appropriate action taken.</p> <p>This letter constitutes formal notification of safety required by European Union Council under Directive 93/35 EEC and the UK Cosmetic Product (safety) Regulations 2004 (S.I. 2152) as updated. A summary of the information to support this declaration is held on file with KeraStraight Ltd.</p>	<p style="text-align: center;"><u>Ingredient Listing</u></p> <p>Aqua Dicaprylyl carbonate Cetyl alcohol Urea Hydrolized keratin Lanolin Parfum Moringa oleifera leaf extract Isohexadecane Carbocysteine Hydrolized collagen Panthenol Dimethicone Poliquaternium 7 Dimethiconol Cetrimonium chloride Cyclopentasiloxane Polyquaternium 37 Theobroma grandiflorum seed butter CI 77480 Citric acid Methylchloroisothiazolinone Methylisothiazolione</p>
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M C Perry B.Sc., C.Biol., MSB., MTOPRA  
Consultant to KeraStraight Ltd

To: Jez Barnett  
 KeraStraight Ltd

Intertek ASG  
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10 November 2010

From: Ian Osborne

Tel: 0161 721 1158

Copies: File

**Title: Formaldehyde level in hair product**

**Samples:**

ASG Ref.	Your ref.	Sample Description
10433165	1	KeraStraight Treatment

**Date of Sample Receipt: 15/10/2010**

**Date of Analysis: 19/10/2010**

**Notebook Reference: ANB 1161/93**

**Techniques/Instrumentation/Test Method Ref/Test Specification Ref:**

HPLC using instrument LIMS 2034

**Report:**

The following data was obtained using an external calibration of formaldehyde. Duplicate injections were performed for each sample.

ASG ref.	Sample Name	Duplicate injection no.	Formaldehyde Level (ppm)	Formaldehyde Level (%)
10433165	KeraStraight* Treatment	1	2	0.0002
		2	2	0.0002

\*KeraStraight Treatment (sample submitted) was registered as KeraStraight KS Complex Treatment in November 2010 after analysis and prior to release to the market.

The method used is L 108/92 specified in EU Directive 82/434/EEC amendment 90/207/EEC. The method was altered with respect to detection (Fluorescence detection preferred to Ultra Violet) to improve specificity and sensitivity.

The European Directive states that the limit for formaldehyde in a personal product is 2000ppm (0.2%). This sample is clearly below this limit and is therefore, with respect to formaldehyde, considered safe to use within the European Community.

The particularly low level of formaldehyde suggests that this has not been added as part of the formulation but is likely to be present from stabilisation of one or more of the raw materials.

Analyst:.....  
 Ian Osborne

Date: 10 November 2010