

**Colorance Hair Color**

Article number for all Tube 60ml

KAO USA Inc.

MD 21090

Date printed 10.09.2013, Revision 11.03.2013

Version 02. Supersedes version: 01

Page 1 / 7

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

<b>Product identifier</b>	<b>Colorance Hair Color</b> <b>Article number for all Tube 60ml</b>
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Hair color
<b>Identified use</b>	Cosmetics
<b>Company</b>	KAO USA Inc. Linthicum Heights, MD 21090 / USA Phone 001410-850-7555
<b>Address enquiries to</b>	
<b>Emergency phone Company</b>	CHEMTREC: +1 703 527-3887 (24h)
<b>Safety Data Sheet</b>	sdb@chemiebuero.de

**SECTION 2: Hazards identification****Emergency Overview**

**Appearance, Odor:** viscous, various, characteristic

**WARNING**

CAUSES EYE AND SKIN IRRITATION.  
CAUSES RESPIRATORY TRACT IRRITATION.

**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
5 - <10	2-Aminoethanol CAS: 141-43-5
1 - <2,5	Amides, C14-18, N-(Hydroxyethyl)- CAS: 68391-00-4
1 - <2,5	Amides, C12-18 and C18-unsatd., N-(hydroxyethyl) CAS: 90622-77-8
1 - <2,5	Sodium Cetostearyl Sulfate CAS: 68955-20-4

**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**

<b>Description of first aid measures</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact</b>	In case of contact with skin wash off immediately with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Seek medical advice. Rinse out mouth and give plenty of water to drink.
<b>Indication of any immediate medical attention and special treatment needed</b>	Treat symptomatically. Forward this sheet to the doctor.

Colorance Hair Color

Article number for all Tube 60ml

KAO USA Inc.

MD 21090

Date printed 10.09.2013, Revision 11.03.2013

Version 02. Supersedes version: 01

Page 2 / 7

**SECTION 5: Fire-fighting measures**

<b>Suitable extinguishing media</b>	All extinguishing media are suitable but method must take into account the surrounding area to minimize dispersion.
<b>Extinguishing media that must not be used</b>	none
<b>Special exposure hazards arising from the substance or preparation itself or combustion products</b>	Unknown risk of formation of toxic pyrolysis products. Nitrogen oxides (NOx). Carbon monoxide (CO) Not combusted hydrocarbons.
<b>Special protective equipment for firefighters</b>	Use self-contained breathing apparatus.
<b>Additional information</b>	Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

**SECTION 6: Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	High risk of slipping due to leakage/spillage of product.
<b>Environmental precautions</b>	Do not discharge into the drains/surface waters/groundwater.
<b>Methods and material for containment and cleaning up</b>	Take up with absorbent material (e.g. general-purpose binder). Dispose of absorbed material in accordance within the regulations.

**SECTION 7: Handling and storage**

<b>Precautions for safe handling</b>	No special measures necessary if used correctly.
<b>Requirements for storage rooms and vessels</b>	Keep only in original container.
<b>Further information on storage conditions</b>	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)**

Range [%]	Substance
5 - <10	2-Aminoethanol
	CAS: 141-43-5, EINECS/ELINCS: 205-483-3, EU-INDEX: 603-030-00-8, ECB-Nr.: 01-2119486455-28-XXXX
	Long-term exposure: 2 ppm, 5 mg/m <sup>3</sup> , NIOSH
	Short-term exposure (15-minute): 4 ppm, 10 mg/m <sup>3</sup>

<b>Respiratory protection</b>	not applicable
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: Butyl rubber, >120 min (EN 374).
<b>Eye protection</b>	If there is a risk of splashing: Safety glasses.
<b>Skin protection</b>	none
<b>General protective measures</b>	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. Skin protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.
<b>Hygiene measures</b>	Do not eat or drink when working. Wash hands before breaks and after work. Use barrier skin cream.
<b>Delimitation and monitoring of the environmental exposition</b>	See SECTION 6+7.

Colorance Hair Color

Article number for all Tube 60ml

KAO USA Inc.

MD 21090

Date printed 10.09.2013, Revision 11.03.2013

Version 02. Supersedes version: 01

Page 3 / 7

### SECTION 9: Physical and chemical properties

Form	viscous
Color	various
Odor	characteristic
pH-value	6,7 - 6,9
pH-value [1%]	not determined
Boiling point [°C]	not determined
Flash point [°C]	not applicable
Flammability [°C]	not determined
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidizing properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	0,97-1,02 (20 °C / 68,0 °F)
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	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

### SECTION 10: Stability and reactivity

Reactivity	No dangerous reactions known if used as directed.
Chemical stability	Stable under normal ambient conditions (ambient temperature).
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.

Colorance Hair Color

Article number for all Tube 60ml

KAO USA Inc.

MD 21090

Date printed 10.09.2013, Revision 11.03.2013

Version 02. Supersedes version: 01

Page 4 / 7

**SECTION 11: Toxicological information****Information on toxicological effects****Acute toxicity**

Range [%]	Substance
1 - <2,5	Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), CAS: 90622-77-8 LD50, oral, Rat: > 5000 mg/kg (Lit).
1 - <2,5	Amides, C14-18, N-(Hydroxyethyl)-, CAS: 68391-00-4 LD50, oral, Rat: > 2000 mg/kg (Lit).
1 - <2,5	Sodium Cetostearyl Sulfate, CAS: 68955-20-4 LD50, oral, Rat: > 5000 mg/kg.
5 - <10	2-Aminoethanol, CAS: 141-43-5 LC50, inhalative, Rat: >1,3 mg/L (6h)(Vapour). LD50, oral, Rat: 1515 mg/kg bw. LD50, dermal, Rabbit: 1025 mg/kg (IUCLID).

**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**

Toxicological data of complete product are not available.

The product was classified 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.

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.

Colorance Hair Color

Article number for all Tube 60ml

KAO USA Inc.

MD 21090

Date printed 10.09.2013, Revision 11.03.2013

Version 02. Supersedes version: 01

Page 5 / 7

**SECTION 12: Ecological information****Toxicity**

Range [%]	Substance
1 - <2,5	Sodium Cetostearyl Sulfate, CAS: 68955-20-4 LC50, fish: > 10 - < 100 mg/l.
5 - <10	2-Aminoethanol, CAS: 141-43-5 EC50, (48h), Daphnia magna: 65 mg/L. LC50, (96h), Cyprinus carpio: 349 mg/L. LC50, (96h), Carassius auratus: 170 mg/L. EC50, (72h), Scenedesmus subspicatus: 22 mg/L. EC50, (72h), Selenastrum capricornutum: 2,5 mg/L.

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. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**SECTION 13: Disposal considerations**

Product Coordinate disposal with the disposal contractor/authorities if necessary.

Contaminated packaging Packaging that cannot be cleaned should be disposed of as for product. 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 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"

Colorance Hair Color

Article number for all Tube 60ml

KAO USA Inc.

MD 21090

Date printed 10.09.2013, Revision 11.03.2013

Version 02. Supersedes version: 01

Page 6 / 7

**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

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 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**

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**

This preparation is excluded as cosmetics from the regulation 1999/45/EEC.

The product is classified and required to be labelled in accordance with EC-Directives

**Hazard symbols**

Irritant

**R-phrases**

R 37/38: Irritating to respiratory system and skin.

R 41: Risk of serious damage to eyes.

**S-phrases**

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39: Wear suitable gloves and eye/face protection.

**Special labelling**

Safety data sheet available for professional user on request.

WARNING

**Emergency Overview**

CAUSES EYE AND SKIN IRRITATION.

CAUSES RESPIRATORY TRACT IRRITATION.

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

yes

**Customs Tariff**

not determined

**HMIS Ratings**

<b>HEALTH</b>	<b>2</b>	2 - Moderate Hazard
<b>FLAMMABILITY</b>	<b>0</b>	0 - Minimal Hazard
<b>REACTIVITY</b>	<b>1</b>	1 - Slight Hazard
<b>PERSONAL PROTECTION</b>	<b>X</b>	X - Personal protection rating to be supplied by user depending on use conditions

**NFPA Ratings**

<b>0</b>	TOP, FLAMMABILITY: 0 - Minimal Hazard
<b>2</b> <b>1</b>	LEFT, HEALTH: 2 - Moderate Hazard RIGHT, REACTIVITY: 1 - Slight Hazard
<b>-</b>	BOTTOM, SPECIAL NOTICE: -

**Modified position**

none

**Safety Data Sheet (SDS) conforms to ANSI Z400.1/Z129.1-2010 (29 CFR 1910) (US)**

**Colorance Hair Color**

**Article number for all Tube 60ml**

**KAO USA Inc.**

**MD 21090**

Date printed 10.09.2013, Revision 11.03.2013

Version 02. Supersedes version: 01

Page 7 / 7

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

Copyright: Chemiebüro®

**Colorance Hair Color**

Article number for all cans 120ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 29.05.2013, Revision 29.05.2013

Version 01

Page 1 / 8

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

<b>Product identifier</b>	<b>Colorance Hair Color</b> <b>Article number for all cans 120ml</b>
<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Hair color
<b>Identified use</b>	Cosmetics
<b>Company</b>	KAO USA Inc.
	Linthicum Heights, MD 21090 / USA Phone 001410-850-7555
<b>Address enquiries to</b>	
<b>Emergency phone Company</b>	CHEMTREC: +1 703 527-3887 (24h)
<b>Safety Data Sheet</b>	sdb@chemiebuero.de

**SECTION 2: Hazards identification****Emergency Overview**

**Appearance, Odor:** aerosol, various, characteristic

**WARNING**

Keep away from heat, sparks and flame. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C).  
CAUSES EYE AND SKIN IRRITATION.  
CAUSES RESPIRATORY TRACT IRRITATION.

<b>OSHA Regulatory Status</b>	This product is defined as Cosmetics. Therefore, this product is exempt from requirements of the hazard communication standard, 29 CFR1910.1200.
<b>Potential health effects</b>	No particular hazards known.
<b>Potential environmental effects</b>	No particular hazards known.

**SECTION 3: Composition / Information on ingredients**

The product is a mixture.

Range [%]	Substance
5 - <10	2-Aminoethanol CAS: 141-43-5
1 - <2,5	Amides, C14-18, N-(Hydroxyethyl)- CAS: 68391-00-4
1 - <2,5	Amides, C12-18 and C18-unsatd., N-(hydroxyethyl) CAS: 90622-77-8
1 - <2,5	Sodium Cetostearyl Sulfate CAS: 68955-20-4
< 1	Nitrogen CAS: 7727-37-9

**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.



Colorance Hair Color

Article number for all cans 120ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 29.05.2013, Revision 29.05.2013

Version 01

Page 2 / 8

#### SECTION 4: First aid measures

<b>Description of first aid measures</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air. In the event of symptoms seek for medical treatment.
<b>Skin contact</b>	When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	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.
<b>Ingestion</b>	Seek medical advice immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.
<b>Indication of any immediate medical attention and special treatment needed</b>	Forward this sheet to the doctor. Treat symptomatically.

#### SECTION 5: Fire-fighting measures

<b>Suitable extinguishing media</b>	Foam, dry powder, water spray jet, carbon dioxide.
<b>Extinguishing media that must not be used</b>	Full water jet
<b>Special exposure hazards arising from the substance or preparation itself or combustion products</b>	Unknown risk of formation of toxic pyrolysis products. Bursting aerosols can be forcibly projected from a fire.
<b>Special protective equipment for firefighters</b>	Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus.
<b>Additional information</b>	Cool containers at risk with water spray jet. Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

#### SECTION 6: Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	Ensure adequate ventilation. Use personal protective equipment.
<b>Environmental precautions</b>	Do not discharge into the drains/surface waters/groundwater.
<b>Methods and material for containment and cleaning up</b>	Take up mechanically. Take up residues with suitable absorbent materials. Dispose of absorbed material in accordance within the regulations.

#### SECTION 7: Handling and storage

<b>Precautions for safe handling</b>	Use only in well-ventilated areas.
<b>Requirements for storage rooms and vessels</b>	Prevent penetration into the ground.
<b>Advice on storage compatibility</b>	Do not store together with oxidizing agents.
<b>Further information on storage conditions</b>	Keep container in a well-ventilated place. Keep in a cool place, heat causes increase in pressure and risk of bursting.

Colorance Hair Color

Article number for all cans 120ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 29.05.2013, Revision 29.05.2013

Version 01

Page 3 / 8

**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)**

Range [%]	Substance
5 - <10	2-Aminoethanol
	CAS: 141-43-5, EINECS/ELINCS: 205-483-3, EU-INDEX: 603-030-00-8, ECB-Nr.: 01-2119486455-28-XXXX
	Long-term exposure: 2 ppm, 5 mg/m <sup>3</sup> , NIOSH
	Short-term exposure (15-minute): 4 ppm, 10 mg/m <sup>3</sup>

**Respiratory protection**

Not required under normal conditions.

**Hand protection**

The details concerned are recommendations. Please contact the glove supplier for further information.

In full contact

Butyl rubber, &gt;480 min (EN 374).

**Eye protection**

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.

Skin protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals.

**Hygiene measures**

Do not eat, drink, smoke or take drugs at work.

Wash hands before breaks and after work.

Use barrier skin cream.

**Delimitation and monitoring of the environmental exposition**

See SECTION 6+7.

**SECTION 9: Physical and chemical properties**

<b>Form</b>	aerosol
<b>Color</b>	various
<b>Odor</b>	characteristic
<b>pH-value</b>	6,7 - 6,9
<b>pH-value [1%]</b>	not applicable
<b>Boiling point [°C]</b>	not applicable
<b>Flash point [°C]</b>	not applicable
<b>Flammability [°C]</b>	yes
<b>Lower explosion limit</b>	not determined
<b>Upper explosion limit</b>	not determined
<b>Oxidizing properties</b>	no
<b>Vapour pressure/gas pressure [kPa]</b>	not determined
<b>Density [g/ml]</b>	0,97 - 1,02 (20 °C / 68,0 °F) (Liquid)
<b>Bulk density [kg/m<sup>3</sup>]</b>	not applicable
<b>Solubility in water</b>	partially miscible
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Viscosity</b>	not applicable
<b>Relative vapour density determined in air</b>	not applicable
<b>Evaporation speed</b>	not applicable
<b>Melting point [°C]</b>	not applicable
<b>Autoignition temperature [°C]</b>	not applicable
<b>Decomposition temperature</b>	not applicable

Colorance Hair Color

Article number for all cans 120ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 29.05.2013, Revision 29.05.2013

Version 01

Page 4 / 8

**SECTION 10: Stability and reactivity**

<b>Reactivity</b>	No dangerous reactions known if used as directed.
<b>Chemical stability</b>	Stable under normal ambient conditions (ambient temperature).
<b>Possibility of hazardous reactions</b>	Risk of bursting.
<b>Conditions to avoid</b>	Strong heating.
<b>Incompatible materials</b>	not determined
<b>Hazardous decomposition products</b>	No hazardous decomposition products known.

**SECTION 11: Toxicological information****Information on toxicological effects****Acute toxicity**

Range [%]	Substance
1 - <2,5	Amides, C12-18 and C18-unsatd., N-(hydroxyethyl), CAS: 90622-77-8 LD50, oral, Rat: > 5000 mg/kg (Lit).
1 - <2,5	Amides, C14-18, N-(Hydroxyethyl)-, CAS: 68391-00-4 LD50, oral, Rat: > 2000 mg/kg (Lit).
1 - <2,5	Sodium Cetostearyl Sulfate, CAS: 68955-20-4 LD50, oral, Rat: > 5000 mg/kg.
5 - <10	2-Aminoethanol, CAS: 141-43-5 LC50, inhalative, Rat: >1,3 mg/L (6h)(Vapour). LD50, oral, Rat: 1515 mg/kg bw. LD50, dermal, Rabbit: 1025 mg/kg (IUCLID).

<b>Acute oral toxicity</b>	not determined
<b>Acute dermal toxicity</b>	not determined
<b>Acute inhalational toxicity</b>	not determined
<b>Serious eye damage/irritation</b>	not determined
<b>Skin corrosion/irritation</b>	not determined
<b>Respiratory or skin sensitisation</b>	not determined
<b>Specific target organ toxicity — single exposure</b>	not determined
<b>Specific target organ toxicity — repeated exposure</b>	not determined
<b>Mutagenicity</b>	not determined
<b>Reproduction toxicity</b>	not determined
<b>Carcinogenicity</b>	not determined
<b>General remarks</b>	The product was classified 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.

Colorance Hair Color

Article number for all cans 120ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 29.05.2013, Revision 29.05.2013

Version 01

Page 5 / 8

**SECTION 12: Ecological information****Toxicity**

Range [%]	Substance
1 - <2,5	Sodium Cetostearyl Sulfate, CAS: 68955-20-4 LC50, fish: > 10 - < 100 mg/l.
5 - <10	2-Aminoethanol, CAS: 141-43-5 EC50, (72h), Selenastrum capricornutum: 2,5 mg/L. EC50, (72h), Scenedesmus subspicatus: 22 mg/L. LC50, (96h), Carassius auratus: 170 mg/L. EC50, (48h), Daphnia magna: 65 mg/L. LC50, (96h), Cyprinus carpio: 349 mg/L.

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 none

2006/11/EC: none

Other adverse effects No classification 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 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.

Colorance Hair Color

Article number for all cans 120ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 29.05.2013, Revision 29.05.2013

Version 01

Page 6 / 8

**SECTION 14: Transport information**

**Transport by land according to ADR/RID**

UN 1950 AEROSOLS 2.2

- Classification Code

5A

- Label



- ADR LQ

1 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

**Inland navigation (ADN)**

UN 1950 AEROSOLS 2.2

- Classification Code

5A

- Label



**Marine transport in accordance with IMDG**

UN 1950 Aerosols 2.2 -

- EMS

F-D, S-U

- Label



- IMDG LQ

1 I

**Air transport in accordance with IATA**

UN 1950 Aerosols, non flammable 2.2

- Label



**DOT Road Shipment Information (49 CFR)**

UN/NA 1950 Aerosols 2

- Label



Colorance Hair Color

Article number for all cans 120ml

KAO USA Inc.

Linthicum Heights, MD 21090

Date printed 29.05.2013, Revision 29.05.2013

Version 01

Page 7 / 8

**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****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

**Hazard pictograms****Signal word**

WARNING

DANGER

**Hazard statements**

H318 Causes serious eye damage.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

H229 Pressurised container: May burst if heated.

**Precautionary statements**

P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P251 Pressurized container: Do not pierce or burn, even after use.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

This preparation is excluded as cosmetics from the regulation 1999/45/EEC.

**Labelling****Hazard symbols**

Irritant

**R-phrases**

R 37/38: Irritating to respiratory system and skin.

R 41: Risk of serious damage to eyes.

**S-phrases**

S 23.4: Do not breathe spray.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37/39: Wear suitable gloves and eye/face protection.

S 51: Use only in well-ventilated areas.

**Special labelling**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C.

Do not pierce or burn, even after use.

Keep out of the reach of children.

WARNING

**Emergency Overview**

Keep away from heat, sparks and flame. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C).

CAUSES EYE AND SKIN IRRITATION.

CAUSES RESPIRATORY TRACT IRRITATION.



**Colorance Cover Plus Hair Color (can)**

Article number 211144 – 211359 = 120ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 1 / 6

**1 Identification of the substance / preparation and of the company**

**Product identifier** **Colorance Cover Plus Hair Color (can)**  
**Article number 211144 – 211359 = 120ml**

**Use:** Hair color  
**Identified use:** Cosmetics  
**Company** KPSS Inc.

Linthicum Heights, MD 21090 / USA  
 Phone: 001410-850-7555  
 Homepage: www.kpss-hair.com  
 CHEMTREC: +1 703 527-3887 (24h)

**Emergency phone:**  
**Address enquiries to**  
**Safety Data Sheet** sdb@chemiebuero.de

**2 Hazards identification****Emergency Overview**

**Appearance, Odor:** aerosol, various, characteristic

Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 122°F (50°C).

**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**

May produce an allergic reaction.  
 Irritating to eyes, respiratory system and skin.

**Potential environmental effects**

Does not contain any PBT or vPvB substances.

**3 Composition / Information on ingredients**

Range [%]	Substance
5 - <10	2-Aminoethanol
1 - <5	Stearic acid monoethanolamide
1 - <5	Amide, Kokos-, N-(Hydroxyethyl)
0,1 - <1	1,3-Benzenediol
0,1 - <1	3-Aminophenol

**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.

**4 First aid measures**

**Description of first aid measures** Remove contaminated soaked clothing immediately and dispose of safely.

**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** In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.

**Ingestion** Consult a doctor immediately.  
 Do not induce vomiting.

**Indication of any immediate medical attention and special treatment needed** Treat symptomatically.



## Colorance Cover Plus Hair Color (can)

Article number 211144 – 211359 = 120ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 2 / 6

**5 Fire-fighting measures**

<b>Suitable extinguishing media</b>	foam, dry powder, water spray jet, carbon dioxide
<b>Extinguishing media that must not be used</b>	Full water jet.
<b>Special exposure hazards arising from the substance or preparation itself or combustion products</b>	Unknown risk of formation of toxic pyrolysis products.  Bursting aerosols can be forcibly projected from a fire.
<b>Special protective equipment for firefighters</b>	Use self-contained breathing apparatus.
<b>Additional information</b>	Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

**6 Accidental release measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	No special measures necessary.
<b>Environmental precautions</b>	Do not discharge into the drains/surface waters/groundwater.
<b>Methods and material for containment and cleaning up</b>	Take up mechanically.  Take up residues with absorbent material (e.g. sand, sawdust, generalpurpose binder, diatomaceous earth). Dispose of absorbed material in accordance with the regulations.

**7 Handling and storage**

<b>Precautions for safe handling</b>	No special measures necessary if used correctly. Use only in well-ventilated areas.
<b>Advice on protection against fire and explosion</b>	Keep away from all sources of ignition.
<b>Further information on storage conditions</b>	Protect from heat/overheating.

**8 Exposure controls / personal protection**

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

**Ingredients with occupational exposure limits to be monitored (US)**

Range [%]	Substance / LTEL: Long-term exposure limit
5 - <10	2-Aminoethanol / 3 ppm, 6 mg/m <sup>3</sup> , OSHA
0,1 - <1	1,3-Benzenediol / 10 ppm, 45 mg/m <sup>3</sup> , ACGIH

<b>Respiratory protection</b>	not applicable
<b>Hand protection</b>	Nitrile rubber, >120 min (EN 374). The details concerned are recommendations. Please contact the glove supplier for further information.
<b>Eye protection</b>	Safety glasses.
<b>Skin protection</b>	not applicable
<b>General protective measures</b>	Avoid contact with eyes and skin. 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.
<b>Hygiene measures</b>	Use barrier skin cream. Do not eat, drink, smoke or take drugs at work. Remove soiled or soaked clothing.
<b>Delimitation and monitoring of the environmental exposition</b>	See Chapter 6+7.

**9 Physical and chemical properties**

<b>Form</b>	aerosol
<b>Color</b>	various
<b>Odor</b>	characteristic
<b>pH-value</b>	strongly alkaline
<b>pH-value [1%]</b>	not determined
<b>Boiling point [°C]</b>	not applicable
<b>Flash point [°C]</b>	not applicable
<b>Flammability [°C]</b>	not applicable
<b>Lower explosion limit</b>	not applicable
<b>Upper explosion limit</b>	not applicable
<b>Oxidizing properties</b>	no
<b>Vapour pressure [kPa]</b>	not applicable
<b>Density [g/ml]</b>	0,97-1,05 (20°C / 68,0°F)
<b>Bulk density [kg/m³]</b>	not applicable
<b>Solubility in water</b>	miscible
<b>Partition coefficient [n-octanol/water]</b>	not determined
<b>Viscosity</b>	not applicable
<b>Relative vapour density determined in air</b>	not applicable
<b>Evaporation speed</b>	not applicable
<b>Melting point [°C]</b>	not applicable
<b>Autoignition temperature [°C]</b>	not applicable
<b>Decomposition temperature</b>	not applicable

**10 Stability and reactivity**

<b>Reactivity</b>	No dangerous reactions known if used as directed.
<b>Chemical stability</b>	Stable under normal ambient conditions (ambient temperature).
<b>Possibility of hazardous reactions</b>	Reactions with acids. Risk of bursting.
<b>Conditions to avoid</b>	See chapter 7
<b>Incompatible materials</b>	not determined
<b>Hazardous decomposition products</b>	No hazardous decomposition products known.

**11 Toxicological information****Information on toxicological effects****Acute toxicity**

Range [%]	Substance
5 - <10	2-Aminoethanol, CAS: 141-43-5
	LC0, inhalative, Rat: > 0,0005 mg/l 2h (IUCLID).
	LD50, dermal, Rabbit: 1025 mg/kg (IUCLID).
	LD50, oral, Rat: 1720 mg/kg (IUCLID).
0,1 - <1	3-Aminophenol, CAS: 591-27-5
	LC50, inhalative, Rat: 1162 mg/m <sup>3</sup> (Lit).
	LD50, dermal, Rat: > 5000 mg/kg (Lit).
	LD50, oral, Rat: 924 mg/kg (Lit).
1 - <5	Amide, Kokos-, N-(Hydroxyethyl), CAS: 68140-00-1
	LD50, oral, Rat: > 5000 mg/kg (Lit).
1 - <5	Stearic acid monoethanolamide
	LD50, oral, Rat: > 2000 mg/kg (Lit).
0,1 - <1	1,3-Benzenediol, CAS: 108-46-3
	LD50, dermal, Rabbit: 3360 mg/kg (Lit).
	LD50, oral, Rat: 301 mg/kg (Lit).

**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** 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.

## Colorance Cover Plus Hair Color (can)

Article number 211144 – 211359 = 120ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 5 / 6

**12 Ecological information****Toxicity**





Range [%]	Substance
5 - <10	2-Aminoethanol, CAS: 141-43-5 EC50, (48h), Daphnia magna: 65 mg/l (IUCLID). LC50, (96h), Pimephales promelas: 2070 mg/l (IUCLID).
0,1 - <1	3-Aminophenol, CAS: 591-27-5 LC50, (48h), Oryzias latipes: 100 mg/l (Lit).
0,1 - <1	1,3-Benzenediol, CAS: 108-46-3 LC50, (96h), Leuciscus idus: 34,7 mg/l (Lit).

<b>Fish toxicity</b>	not determined
<b>Daphnia toxicity</b>	not determined
<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not determined
<b>Bacteria toxicity</b>	not determined
<b>Biological degradability</b>	not determined
<b>COD</b>	not determined
<b>BOD 5</b>	not determined
<b>AOX-advice</b>	not applicable
<b>2006/11/EC:</b>	not applicable
<b>Other adverse effects</b>	None known.

**13 Disposal considerations**

<b>Product</b>	Coordinate disposal with the authorities if necessary.
<b>Contaminated packaging</b>	Uncontaminated packaging may be taken for recycling.
<b>RCRA Hazard Class (40CFR 261)</b>	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

**14 Transport information**

<b>Classification according to ADR</b>	UN 1950 AEROSOLS 2.2
- Classification Code	5A
- Label	
- ADR LQ	1 l
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 3 (E)
<b>Classification according to IMDG</b>	UN 1950 Aerosols 2.2 -
- EMS	F-D, S-U
- Label	
- IMDG LQ	1 l
<b>Classification according to IATA</b>	UN 1950 Aerosols, non flammable 2.2
- Label	
<b>DOT Road Shipment Information (49 CFR)</b>	UN/NA 1950 Aerosols 2
- Label	

## Colorance Cover Plus Hair Color (can)

Article number 211144 – 211359 = 120ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 6 / 6

**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

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 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.

**Transport-regulations**

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).

**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 does not require a hazard warning label in accordance with GHS/CLP-directives.

**Hazard symbols**

none

**R-phrases**

none

**S-phrases**

none

**Special labelling**

none

**16 Other informations****Observe employment restrictions for people** no**Customs Tariff**

not determined

**648/2004/CE**

not applicable

**HMIS Ratings**

<b>HEALTH</b>	<b>2</b>	2 - Moderate Hazard
<b>FLAMMABILITY</b>	<b>0</b>	0 - Minimal Hazard
<b>REACTIVITY</b>	<b>0</b>	0 - Minimal Hazard
<b>PERSONAL PROTECTION</b>	<b>B</b>	B - Safety Glasses and Gloves

**NFPA Ratings**

<b>0</b>	TOP, FLAMMABILITY: 0 - Minimal Hazard
<b>2 0</b>	LEFT, HEALTH: 2 - Moderate Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard
<b>IRR</b>	BOTTOM, SPECIAL NOTICE: IRR - Irritant

**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

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Copyright: Chemiebuero®

**Colorance Cover Plus Hair Color (tubes)**

Article number 211629 – 211669 = 60ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 1 / 6

**1 Identification of the substance / preparation and of the company**

**Product identifier** **Colorance Cover Plus Hair Color (tubes)**  
**Article number 211629 – 211669 = 60ml**

**Use:** Hair color  
**Identified use:** Cosmetics  
**Company** KPSS Inc.

Linthicum Heights, MD 21090 / USA  
Phone: 001410-850-7555  
Homepage: www.kpss-hair.com  
CHEMTREC: +1 703 527-3887 (24h)

**Emergency phone:**  
**Address enquiries to**  
**Safety Data Sheet** sdb@chemiebuero.de

**2 Hazards identification**

**Emergency Overview**

**Appearance, Odor:** viscous, various, characteristic

**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**

May produce an allergic reaction.  
Irritating to eyes, respiratory system and skin.

**Potential environmental effects**

Does not contain any PBT or vPvB substances.

**3 Composition / Information on ingredients**

Range [%]	Substance
5 - <10	2-Aminoethanol
1 - <5	Stearic acid monoethanolamide
1 - <5	Amide, Kokos-, N-(Hydroxyethyl)
0,1 - <1	1,3-Benzenediol
0,1 - <1	3-Aminophenol

**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.

**4 First aid measures**

**Description of first aid measures** Remove contaminated soaked clothing immediately and dispose of safely.

**Inhalation** not applicable

**Skin contact** In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

**Eye contact** In case of contact with eyes rinse thoroughly and immediately with plenty of water and seek medical advice.

**Ingestion** Consult a doctor immediately.  
Do not induce vomiting.

**Indication of any immediate medical attention and special treatment needed** Treat symptomatically.

**Colorance Cover Plus Hair Color (tubes)**

Article number 211629 – 211669 = 60ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 2 / 6

**5 Fire-fighting measures**

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

**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.

**7 Handling and storage**

**Precautions for safe handling** No special measures necessary if used correctly.  
**Requirements for storage rooms and vessels** Keep only in original container.  
**Further information on storage conditions** Keep container tightly closed.  
 Protect from heat/overheating.

**8 Exposure controls / personal protection**

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

**Ingredients with occupational exposure limits to be monitored (US)**

Range [%]	Substance / LTEL: Long-term exposure limit
5 - <10	2-Aminoethanol / 3 ppm, 6 mg/m <sup>3</sup> , OSHA
0,1 - <1	1,3-Benzenediol / 10 ppm, 45 mg/m <sup>3</sup> , ACGIH

**Respiratory protection** not applicable  
**Hand protection** Nitrile rubber, >120 min (EN 374).  
 The details concerned are recommendations. Please contact the glove supplier for further information.  
**Eye protection** Safety glasses.  
**Skin protection** not applicable  
**General protective measures** Avoid contact with eyes and skin.  
 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.  
**Hygiene measures** Use barrier skin cream.  
 Do not eat, drink, smoke or take drugs at work.  
 Remove soiled or soaked clothing.  
**Delimitation and monitoring of the environmental exposition** See Chapter 6+7.

## 9 Physical and chemical properties

Form	viscous
Color	various
Odor	characteristic
pH-value	strongly alkaline
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 [kPa]	not applicable
Density [g/ml]	0,97-1,05 (20°C / 68,0°F)
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	miscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
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

## 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 acids.
Conditions to avoid	See chapter 7
Incompatible materials	not determined
Hazardous decomposition products	No hazardous decomposition products known.



## Colorance Cover Plus Hair Color (tubes)

Article number 211629 – 211669 = 60ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 4 / 6

**11 Toxicological information****Information on toxicological effects****Acute toxicity**

Range [%]	Substance
5 - <10	2-Aminoethanol, CAS: 141-43-5
	LC0, inhalative, Rat: > 0,0005 mg/l 2h (IUCLID).
	LD50, dermal, Rabbit: 1025 mg/kg (IUCLID).
	LD50, oral, Rat: 1720 mg/kg (IUCLID).
0,1 - <1	3-Aminophenol, CAS: 591-27-5
	LC50, inhalative, Rat: 1162 mg/m <sup>3</sup> (Lit).
	LD50, dermal, Rat: > 5000 mg/kg (Lit).
	LD50, oral, Rat: 924 mg/kg (Lit).
1 - <5	Amide, Kokos-, N-(Hydroxyethyl), CAS: 68140-00-1
	LD50, oral, Rat: > 5000 mg/kg (Lit).
1 - <5	Stearic acid monoethanolamide
	LD50, oral, Rat: > 2000 mg/kg (Lit).
0,1 - <1	1,3-Benzenediol, CAS: 108-46-3
	LD50, dermal, Rabbit: 3360 mg/kg (Lit).
	LD50, oral, Rat: 301 mg/kg (Lit).

**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** 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.

## Colorance Cover Plus Hair Color (tubes)

Article number 211629 – 211669 = 60ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 5 / 6

**12 Ecological information****Toxicity**

Range [%]	Substance
5 - <10	2-Aminoethanol, CAS: 141-43-5
	EC50, (48h), Daphnia magna: 65 mg/l (IUCLID).
	LC50, (96h), Pimephales promelas: 2070 mg/l (IUCLID).
0,1 - <1	3-Aminophenol, CAS: 591-27-5
	LC50, (48h), Oryzias latipes: 100 mg/l (Lit).
0,1 - <1	1,3-Benzenediol, CAS: 108-46-3
	LC50, (96h), Leuciscus idus: 34,7 mg/l (Lit).

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 None known.

**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.

**14 Transport information**

Classification according to ADR NO DANGEROUS GOODS

Classification according to IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Classification according to IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

DOT Road Shipment Information (49 CFR) NOT CLASSIFIED AS "DANGEROUS GOODS"

## Colorance Cover Plus Hair Color (tubes)

Article number 211629 – 211669 = 60ml

KPSS Inc.

Linthicum Heights, MD 21090

Date printed 27.07.2011, Revision 26.07.2011

Page 6 / 6

**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

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 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.

**Transport-regulations**

DOT-Classification, ADR (2011); IMDG-Code (2011, 35. Amdt.); IATA-DGR (2011).

**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 does not require a hazard warning label in accordance with GHS/CLP-directives.

**Hazard symbols**

none

**R-phrases**

none

**S-phrases**

none

**Special labelling**

none

**16 Other informations****Observe employment restrictions for people** no**Customs Tariff**

not determined

**648/2004/CE**

not applicable

**HMIS Ratings**

<b>HEALTH</b>	<b>2</b>	2 - Moderate Hazard
<b>FLAMMABILITY</b>	<b>0</b>	0 - Minimal Hazard
<b>REACTIVITY</b>	<b>0</b>	0 - Minimal Hazard
<b>PERSONAL PROTECTION</b>	<b>B</b>	B - Safety Glasses and Gloves

**NFPA Ratings**

<b>0</b>	TOP, FLAMMABILITY: 0 - Minimal Hazard
<b>2 0</b>	LEFT, HEALTH: 2 - Moderate Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard
<b>IRR</b>	BOTTOM, SPECIAL NOTICE: IRR - Irritant

**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

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Copyright: Chemiebuero®