

Material Safety data sheet

KOKO COLOUR SOLUTION

April 30, 2008

Product code: KOKO SHADE

MSDS 1

1 - Product and Manufacture identification:

1.1 Product name: KOKO colour solution

1.2 Manufacture: VERNICO HAIR PRODUCTS LTD.

680 Avenue Lepine, Dorval,

Quebec – Canada

H9P 2S5

Toll free: 1-877 837- 6426

2 - Composition/Information on components

CAS #	COMPONENTS	MAX. CONCENTRATION (% w/w)
106-50-3	p-Phenylenediamine	4.0
591-27-5	m-Aminophenol	0.6
108-46-3	Resorcinol	2.0
123-30-8	p-Aminophenol	2.5
608-25-3	2-Methylresorcinol	0.3
495-88-5	4-Chlororesorcinol	0.6
2835-95-2	4-Amino-2-Hydroxytoluene	1.5
95-55-6	o-Aminophenol	3.0
2835-99-6	4-Amino-m-Cresol	0.5
83763-48-8	2-Amino-4-Hydroxyethylamino Anisole Sulfate	2.5
90-15-3	1-Naphtol	0.2
56932-44-6	H.C. Yellow 5	1.2
54381-16-7	N,N-Bis-2-hydroxyethyl-p-phenylenediamine sulfate	0.5
477-73-6	Basic Red 2	1.3
2871-01-4	H.C.Red 3	1.2
6369-59-1	Toluene-2,5-Diamine Sulfate	1.2
55302-96-0	2-Methyl-5-Hydroxyethylaminophenol	3.5
141-43-5	Ethanolamine	7.0
7681-57-4	Sodium Metabisulfite	2.0

Finished product: maximum 7% dyes

3 - Physical and Chemical Properties

Form: cream

Colour: Various

Odour: Fragrance

Viscosity: 17.000cps – 50.000cps (Brookfield RVT, spindle 7, speed 20)

PH value: 9.0 – 11.0

Flash point: N/A

Solvent content: 10% - 12%

Water solubility: Miscible

4 - Hazard identification

Routes of entry:

Inhalation: yes

Ingestion: yes

Skin: yes

Symptoms of exposure

Harmful if swallowed

May cause skin irritation

May produce an allergic reaction in certain individuals

Irritating to the eyes

Carcinogenicity

NTP: No

IARC: No

OSHA: No

Special hazards:

Flammable

5 – Handling and Storage

5.1 Handling:

Read and follow instructions;
Product must be mixed with an Acticolour and an Oxidizer prior to use;
Use only the proportions indicated in the instruction;
Wear gloves;
Prior to application a sensitivity test should be made;
This product must not be used for dyeing eyelashes or eyebrows;
Do not use this product if you had already experienced an allergic reaction to another hair colour product;
Do not use if scalp has abrasions;
Always mix product in a non metal container with non metal tools;
Use mixture immediately and discard the leftover;
Shampoo and rinse hair well, after application;
A permanent wave application is not recommended immediately after the application of this product.

5.2 Storage:

Store product in a dry place at room temperature between 15°C - 25°C
Protect from direct light
Keep out of reach of children

6 - First aid measures

If contact with eyes occurs, rinse eyes immediately with abundant cool water;
If contact with skin occurs, rinse skin with soap and water;
If ingestion occurs, do not induce vomiting. Rinse mouth with water and drink abundant water. Contact a medical physician immediately.

7 – Stability and Reactivity

Stable under normal conditions
Avoid exposure to temperatures below 15°C or above 25°C
Avoid contact with strong oxidizing agents

8 – Fire Fighting measures

Extinguish media: Carbon dioxide, chemical fire extinguisher, alcohol-resistant foam or dry chemical powder

Fire and explosion hazards: Generation of Nitrogen oxide upon combustion

Special fire fighting procedures: The use of self-containing breathing apparatus and protective suits are required when fighting fires involving this product.

Disposal: Contaminated extinguishing water and materials must be disposed in accordance with federal, state and local environment regulations

9 – Accidental release measures

Wear respiratory protection, chemical safety goggles, rubber gloves and boots;
Small amounts may be flush into the sewer with plenty of water;
Large amounts may be placed into a bag and disposed according to official regulations;
Wash spill site with soap solution after pick-up is completed

Other precautions: Do not eat, drink or smoke while handling this material

10– Toxicological information

Acute toxicity:

Toxic

Harmful if swallowed

P-Phenylenediamine:

Oral LD50 (rat) = 80mg/ Kg

Toluene-2, 5- Diamine Sulfate:

Oral LD50 (rat) = 98mg/Kg

2-Methyl-5-Hydroxyethylaminophenol

Oral LD50 (rat) = 150mg/Kg

2-Methylresorcinol

Oral LD50 (rat) = 200mg/Kg

Irritancy:

Irritant to eyes
Prolonged skin exposure, may cause irritation

Sensitization:

May cause sensitization by skin contact;
May cause an allergic reaction;
Repeated contact can cause skin irritation

11 – Exposure control and personal protection**11.1 Permissible exposure limit values**

CAS NUMBER	COMPONENT	OSHA PEL	CATEGORY
7681-57-4	Sodium metabisulfite	5mg/m ³	TWA (8h)
141-43-5	Ethanolamine	6mg/m ³	TWA (8h)

11.2 Work and hygienic requirements:

Avoid contact with skin, eyes and clothing;
Wear appropriate gloves and goggles;
Wash thoroughly after handling;
Do not eat, drink or smoke when handling this material

12 – Ecological information

Environment toxicity: Contain substances that are toxic to aquatic organisms

Degradability: Some components are not readily biodegradable

13 – Disposal considerations

Dispose hazard materials in accordance with local and national regulations.

14 – Transport regulations

N/A

15 – Regulatory information

Product complies with Canada, US, EU and Thailand cosmetic regulation.

16 – Other information:

Product use field: For cosmetic professional use only