

## MATERIAL SAFETY DATA SHEET

According to Regulation (EC) no. 1907/2006 of the European Parliament (REACH)  
 Rev. 01 – Date: 20/09/2009

### SECTION 1: CHEMICAL PRODUCT & COMPANY IDENTIFICATION

**Company Details: Conair Corp., 1 Cummings Point Road, Stamford, CT 06902 USA Tel. 203 / 351-9000**

1.1 Identification of the substance:	Bleaching Cream.
1.2 Use of the substance:	Hair lightening
1.3 Identification of the distributor:	In Italy Haircolor S.r.l. Via G. Agnelli, 5 25086 Rezzato (BS) - ITALY
Commercial Name:	<b>RUSK® deepshine®blonde Gentle Lightening Cream</b>
1.4 Emergency phone (Italy):	ANTIPOISON CENTRE NIGUARDA – MILAN: +39 02.6610.1029

**Emergency Phone (U.S.): INFOTRAC 800 / 535-5053**

### SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of hazard:	
<b>X<sub>n</sub></b>	<b>HARMFUL</b>
<b>O</b>	<b>OXIDIZING</b>
2.2 Specific risks for man and environment:	
<b>R7</b>	May cause fire
<b>R22</b>	Harmful if swallowed
<b>R36/37/38</b>	Irritating to eyes, respiratory system and skin
<b>R42/43</b>	May cause sensitisation by inhalation and skin contact
2.3 Main chemical-physical dangers:	
If the product is exposed to moisture, an exothermic reaction can take place and possible spontaneous combustion is possible.	
2.4 Negative effects:	
Health: Irritating to eyes, skin and mucous.	
Environment: Do not pour into the sewage system.	
Symptoms connected to correct/incorrect use: see section 4	
Other Danger: It may cause an allergic reaction in sensitive people.	

### SECTION 3: COMPOSITION, INFORMATION ON INGREDIENTS

3.1 Generic Composition:	The bleaching cream is made of waxes, vaselin oil, mineral persulfates, silicates, metasilicates, soaps, cellulose and titanium dioxide.				
3.2 Dangerous compounds composition:	The compound is classified as dangerous as indicated sub section 2.1				
3.3 Dangerous ingredients to human Healthy and Safety:					
<b>Chemical name</b>	<b>EINECS N°</b>	<b>Concentr.%</b>	<b>CAS N°</b>	<b>Symbols</b>	<b>R Phrases</b>
Potassium Persulfate	231-781-8	< 25	7727-21-1	Xn HARMFUL O OXIDIZING	R8, R22, R42/43

Sodium Metasilicate	229-912-9	5-10	6834-92-0	C CORROSIVE	R34, R37
Ammonium Persulfate	231-786-5	5-10	7727-54-0	Xn HARMFUL	R8, R22, R36/37/38
				O OXIDIZING	
Sodium Persulfate	231-892-1	1-5	7775-27-1	Xn HARMFUL	R8, R22, R36/37/38
				O OXIDIZING	
Sodium Lauryl Sulfate	205-788-1	< 1	151-21-3	Xn HARMFUL	R20/22, R37/38, R41
Tetrasodium EDTA	200-573-9	< 1	64-02-8	Xn HARMFUL	R22, R36, R52/53

3.4 Dangerous ingredients of the compound, not classified as dangerous according to 1999/45/CE: N.A.

3.5 Classification according to Articles 4 and 6 of the Directive 67/548/CE:  
The integral text of pertinent R phrases is in listed sub section 16.

## SECTION 4: FIRST AID MEASURES

- 4.1 Inhalation: Immediately move the patient to open air. If an asthma crisis occurs, get medical attention.
- 4.2 Contact with skin: rinse immediately with water. Wash the contaminated clothes before using them again. Should any allergic reaction develop, consult a dermatologist.
- 4.3 Contact with eyes: flush immediately with plenty of water. Remove contact lenses if used. Immediately get medical attention.
- 4.4 Ingestion: rinse the mouth without swallowing. Immediately get medical attention.

## SECTION 5: FIREFIGHTING MEASURES

- 5.1 Suitable extinguishing media:  
water, water spray, CO<sub>2</sub>, foam. Water or water spray has to be used until complete extinguishing.
- 5.2 Not Suitable extinguishing media:  
None in particular, though some extinguishing media (chemical powders, sand, loose earth, etc.) may result as not efficient because the product contains oxidizing substances that fuel the combustion.
- 5.3 Specific dangerous and hazardous decomposition products:  
In case of fire the product may form toxic gases/vapours of ammonia, sulphur dioxide (SO<sub>2</sub>) and sulphur trioxide (SO<sub>3</sub>).
- 5.4 Special Fire-fighting Equipment:  
In case of fire, wear a breathing apparatus and complete protective clothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal protection:  
wear protective clothing.
- 6.2 Environmental precautions:  
local forced ventilation is needed to avoid accumulation of irritating dust concentrations. Avoid penetration of the product into the soil/earth. If the product reaches watercourses and/or the sewage system, advise the concerned authorities.
- 6.3 Cleaning methods:  
always maintain proper hygienic conditions. Avoid contact with skin, eyes and clothes. In case of contact, wash immediately with water. Clean any spillage and pick up mechanically; dispose of in accordance with local and national regulations.

## SECTION 7: HANDLING & STORAGE

### 7.1 Handling:

Avoid friction and overheating of the product. Provide accurate dust captation and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.

### 7.2 Storage:

Store in a cool (below 30°C) and dry place. Avoid contamination and contact with reducing agents such as lotions and permanent wave lotions. Discard any unused mixture with developer or bleaching lotions, since the container may break. **AVOID** humid organic materials such as paper towel, wood, clothes, etc, which could induce spontaneous combustion. **Protect from heat and sunlight; store in places far from rain and humidity; never store outdoor.**

### 7.3 Specific use:

Only for professional use

## SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

### 8.1 Exposition Limit Values:

Ammonium Persulfate	TLV-TWA 1 mg/m <sup>3</sup>
Potassium Persulfate	TLV-TWA 0,10 mg/m <sup>3</sup>
Sodium Persulfate	TLV-TWA (UK) 1 mg/m <sup>3</sup>
Sodium metasilicate anidrous	TLV-TWA 10mg/m <sup>3</sup>

### 8.2 Exposition Monitoring:

#### 8.2.1 Professional Exposition Monitoring:

Precautionary measures: forced ventilation is required where the products are stored and/or handled. Keep away from food, drink and animal feeding stuff.

- a) Respiratory protection: not requested for normal use. Avoid inhalation. When containers are open, protect the face.
- b) Hands protection: wear protective gloves.
- c) Eye protection: protective goggles. Avoid contact.
- d) Skin protection: wear aprons and standard protective clothes.

#### 8.2.2 Control of environmental exposition: Not requested. See section 6.2.

## SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Appearance	granulous cream
Colour	White - yellowish
Odour	Characteristic
9.2 Important information on Health, Safety and Environment:	
pH (aqueous dispersion 1g/100ml)	10,5 – 11,65
Melting point	n.a.
Boiling point	n.a.
Inflammability point	> 65°C
Inflammability	> 65°C
Explosive properties	n.a.
Oxidizing properties	yes
Vapour tension	n.a.
Bulk density	1,34 ± 0,1 g/ml
Solubility	partially soluble in organic solvents
Solubility in water	partially soluble
Coefficient of distribution into n-octanol/Water	n.d.
Viscosity	n.a.

Vapour density	n.a.
9.3 Additional information	
Decomposition temperature	> 65°C
% of Persulfates	about 40
% of Silicates and Metasilicates	about 15

## SECTION 10: STABILITY & REACTIVITY

The product does not undergo decomposition if handled in accordance with regulations. The product is stable in security conditions, up to 65°C; above this temperature it slowly starts to decompose, releasing small quantities of oxygen and ammonia. At approximately 150°C decomposition becomes fast and self-accelerating, and it generates oxygen which can generate relevant fires.

**Humidity** is a very important factor, because the product moisture – when not kept under control and not stable – can considerably lower the decomposition temperature.

10.1 Conditions to avoid: **heat, moisture**, reducing agents such as waving lotions. Avoid impacts. Do not subject to friction. Avoid electrostatic charges.

10.2 Incompatibilities: acids, alkalis, metals, comburent and combustible materials. Do not use metallic bowls or stirrers.

10.3 Hazardous decomposition products: corrosive gases/vapours; toxic gases/vapours of sulphur oxides (SO<sub>x</sub>), ammonia, nitrogen oxides (NO<sub>x</sub>) and ozone.

## SECTION 11: TOXICOLOGICAL INFORMATION

This product contains ingredients that may present health hazards. These ingredients are irritating to skin and mucous membranes of the eyes and respiratory system. They may trigger asthmatic attacks in sensitive individuals. They may induce skin sensitization and respiratory hypersensitivity.

Effects of chronic exposure:

This is an untested mixture for the purpose of chronic exposure according to OSHA Hazard Communication Standard.

Target organs:

Skin, respiratory system.

Route of entry:

Inhalation, ingestion and skin.

General medical conditions, aggravated by exposure, will be related to the primary toxic (pharmacological) effect of this material; pre-existing dermatitis would be likely to be worsened by a skin irritant.

11.2 Toxicological information of raw materials

The list below reports the toxicities of the main ingredients:

Ammonium Persulfate LD50 (oral rat) = 820 mg/kg

Potassium Persulfate LD50 (oral rat) = 805 mg/kg

Sodium Persulfate LD50 (oral rat) = 895 mg/kg

Sodium Metasilicate anidrous LD50 (oral rat) = 1125 mg/kg

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomit and diarrhoea.

Further information: if used properly, further health hazards are not known, nor predictable.

## SECTION 12: ECOLOGICAL INFORMATION

Always follow good hygienic work practices. Avoid product dispersion in the environment.

12.1 Ecotoxicity

Toxicity in water of persulfates

EC50 (72h) 83,7 (toxicity on bacteria)

EC50 (48h) 120 mg/l (daphnia)

LC50 (96h) 76,3 mg/l (toxicity on fish)

Classification of risk for waters: WGK 1 – slightly dangerous.

12.2 Mobility:	n.d.
12.3 Persistence and degradability	n.d.
12.4 Bio-accumulation potential	n.d.
12.5 PBT evaluation	n.d.
12.6 Further harmful effects	n.d.

## SECTION 13: DISPOSAL CONSIDERATION

### Waste Treatment

Do not dispose of the product together with domestic waste. Do not let it enter the sewage system. Disposal should be in accordance with all applicable local and state regulations.

## SECTION 14: INFORMATION ON TRASPORT

UN No: 1479

Road/railway transport



ADR/RID

Class: 5.1 - Oxidizing flammable solid

Packaging group: III

Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium persulfate)

Marine transport



IMO/MDG

Class: 5.1

Packaging group: III

EmS number: F-A, S-Q

Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium persulfate)

Marine Pollutant: NO

Air transport



ICAO/IATA

Class: 5.1

Packaging group: III

Proper shipping name: Oxidizing solid, N.O.S. (Potassium persulfate, Ammonium persulfate)

## SECTION 15: REGULATORY INFORMATION

Classification according to CEE directives:

Symbols	<b>X<sub>n</sub></b> <b>O</b>	<b>HARMFUL OXIDIZING</b>
R phrases	R7 R22 R36/37/38	May cause fire Harmful if swallowed Irritating to eyes, respiratory system and skin
S phrases	S2 S7/8 S15 S24/25	Keep out of reach of children Keep container tightly close and dry Keep away from heat Avoid contact with skin and eyes.

S46

If swallowed, seek medical advice immediately and show this container or label

## SECTION 16: ADDITIONAL INFORMATION

### 16.1 Integral text of pertinent R phrases:

R7	May cause fire
R 8	Contact with combustible material may cause fire
R20/22	Harmful by inhalation and if swallowed
R22	Harmful if swallowed
R34	Causes burns
R36	Irritating to eyes
R36/37/38	Irritating to eyes, respiratory system and skin
R37	Irritating to respiratory system
R37/38	Irritating to respiratory system and skin
R41	Risk of serious damage to eyes
R42/43	May cause sensitisation by inhalation and skin contact
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 16.4 Additional information:

The information and recommendations set forth herein are presented in good faith and believed as correct as of the date hereof. In Italy Haircolor s.r.l. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the receiving party will make his own determination as to its suitability for his purposes prior to use. In no event, In Italy Haircolor s.r.l. shall be responsible for damage of any nature whatsoever resulting from the use or the reliance upon this information.

This MSDS annuls and substitutes all previous editions.