1: PRODUCT AND COMPANY IDENTIFICATION

Product Commercial Name: COLORDESIGN ammonia free color cream with ceramides and keratin

Product identification: Cosmetic product. Creamy emulsion, opaque, that when mixed with stabilized Hydrogen Peroxide, develops oxidative hair coloring dyes.

Distributor Identification: COLORDESIGN SRL UNIPERSONALE VIA SILVIO PELLICO 10 25086 REZZATO (BS) ITALY

Emergency phone number: CENTRO ANTIVELENI (C.A.V.) – MILANO Ospedale Niguarda “Ca’ Granda” Piazza Ospedale Maggiore, 3 Phone. 02.6610.1029 – Fax 02.6444.2768 (Office hours)

2: HAZARD IDENTIFICATION


2.2 Harmful effects on human health: It may be irritant for eyes, skin and mucous membranes. It may be harmful if ingested.

2.3 Harmful effects on the environment: Not relevant.

3: COMPOSITION – INFORMATION ON INGREDIENTS

Chemical Description: Cosmetic product.

INGREDIENTS: All the Hazardous Ingredients are listed below at maximum levels which may be found in the formulation.

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>MAXIMUM LEVELS (% w/w)</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanolamine</td>
<td>3.5</td>
<td>Corrosive</td>
</tr>
<tr>
<td>Sodium Hydrosulfite</td>
<td>0.5</td>
<td>Corrosive</td>
</tr>
</tbody>
</table>

4: FIRST AID MEASURES
In case of any doubt or when the symptoms are persisting, consult a doctor. Never give anything to an unconscious person.

**Unintentional contact with eyes:** Remove contact lenses (if present and easy to do so), rinse immediately with plenty of lukewarm water for at least 15 minutes. If irritation persists, consult a doctor.

**Unintentional ingestion of sizeable amounts of product:** Do not induce vomit. Rinse mouth thoroughly and drink a couple of glasses of water. Consult a doctor immediately.

**Unintentional skin contact with undiluted product:** Rinse immediately skin with water and soap. Take contaminated clothes off and wash them prior to using them again. If skin irritation persists, consult a doctor.

**Massive inhalation:** Take patient to open air and have him breath normally. If symptoms persist, consult a doctor.

### 5: FIREFIGHTING MEASURES

**Suitable extinguishing media:** Carbon Dioxide – Powder – Water spray (to be verified).

### 6: ACCIDENTAL SPILL MEASURES

**Personal precautions:** Avoid contact with eyes or skin and wear proper protection.

**Environmental precautions:** Collect waste and dispose of according to applicable environmental legislation.

**Cleaning methods:** Collect spillage with a piece of cloth and wash with plenty of water. Do not use the spilled product. Hydrogen peroxide is a strong oxidizer.

### 7: MANIPULATION AND STORAGE

Always store in the original containers. Store in a dry and well ventilated place (at room temperature). Do not store nor use the product near an open flame or a heat source (the product may deteriorate) or under direct sunlight. Do not store the product at temperatures below 5° C or above 50° C. Tightly close the containers after use. Do not use metal containers, stirrers or tools. Do not mix with other oxidizing agents (such as hydrogen peroxide or bleaching products) with the exception of those prescribed. Use the dyeing mixture immediately. Any residual dyeing mixture can not be reused and must be disposed of immediately. Do not store the mixture in a closed container (it may swell and burst), in case you use a bottle for mixing the compound. Do not pierce nor burn the containers after use. Deliver only empty containers for recycling. Carefully follow the instructions for use.

### 8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION

The working place should be well ventilated. Good ventilation and good air exchange must be ensured. For professional use, wear protective clothing, goggles and gloves. Use work-tools thoroughly cleaned; Avoid nickel-plated instruments; Avoid wearing jewelry. Do not breathe vapors.

### 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 General information:

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
</tbody>
</table>
9.2 Chemical-Physical parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>9.50 – 10.50</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Ca. 100° C</td>
</tr>
<tr>
<td>Flammability point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Hydro-solubility</td>
<td>Dispersible</td>
</tr>
<tr>
<td>Viscosity</td>
<td>30.000 - 70.000 cps</td>
</tr>
</tbody>
</table>

9.3 Additional information: Not available

10: STABILITY AND REACTIVITY

Stable under normal conditions of use.

Conditions to avoid: Heat, direct sunlight, sparks, flames, temperatures below 5° C or above 50° C.

Materials to avoid: Acids and nickel-plated instruments.

Hazardous decomposition products: Combustion may produce oxides of carbon, nitrogen and sulphur and other vapors that may be harmful to health.

11: TOXOLOGICAL INFORMATION

Data on man:
Eye irritant in case of contact.
By ingestion, mild irritation of the gastrointestinal tract.
By inhalation, irritation of the first respiratory tract.
Repeated skin contact may lead to the onset of irritant and/or allergic dermatitis.

12: ECOLOGICAL INFORMATION

The product when used according to good use practices and the in the recommended doses, poses no specific threat to the environment. Do not discharge into the environment, but dispose of according to applicable environmental regulations.

13: CONSIDERAZIONI SULLO SMALTIMENTO

Waste disposal must be in accordance with local regulations.

14: INFORMAZIONI SUL TRASPORTO

NON HAZARDOUS/NON DANGEROUS by all modes of transport:
Road transportation, Directive 94/55/CE – 2006/89/CE (ADR 2007); DOT 49 CFR
Rail transportation, Directive 96/49/CE (RID 2007); DOT 49 CFR
Sea transportation, (IMDG 33-06)
Air transportation (ICAO/IATA 2007)
Transportation: RID, ADR, ICAO, IMO, IMDG: Not applicable

15: REGULATORY INFORMATION
Classification: Finished cosmetic products are manufactured according to Italian Law 713/86 and its amendments. Cosmetic products are specifically excluded from the application of national and European law on dangerous products.

EU Legislation Reference: European Regulation (CE) 1223/2009


16: ADDITIONAL INFORMATION
MSDS Creation Date: 27 03 15
Revision Date: None
Contact Info: info@colordesign.bs.it

The information contained in this material safety data sheet is based on our current knowledge and on applicable European laws. Working conditions at users’ end are beyond our knowledge and control. The product should not be used for purposes other than those indicated. It’s always a responsibility of the user to adhere to the standards of hygiene, safety and environmental protection provided for by applicable laws.
1: PRODUCT AND COMPANY IDENTIFICATION

Product Commercial Name: COLORDESIGN Oxidizing Emulsion Cream 5, 7, 10 and 20 Volume

Product Identification: Cosmetic product. Pearly white/ivory creamy emulsion, containing stabilized Hydrogen Peroxide, to be mixed in the correct mixing ratio, with hair coloring or bleaching products.

Distributor Identification: Colordesign Srl Unipersonale
Via S. Pellico, 10
25086 Rezzato (BS) – Italy

Emergency phone number: CENTRO ANTIVELENI (C.A.V.) – MILANO
Ospedale Niguarda “Ca’ Granda”
Piazza Ospedale Maggiore, 3
Phone. 02.6610.1029 – Fax 02.6444.2768
(Office hours)

2: HAZARD IDENTIFICATION

2.1 Classification: Cosmetic product conform with Directive 76/768/CEE and classified as DANGEROUS based on Directive 1999/45/CE

\[\begin{align*}
\text{Xi} & \quad \text{irritant}
\end{align*}\]

2.2 Specific hazards to man and environment:
R36/38: Irritant to eyes and skin.

2.3 Main chemical-physical hazards:
Oxidative products. Danger of decomposition in case of fire. Danger of decomposition in case of contact with incompatible materials.

2.4 Negative effects:
Health: mild irritation in case of contact with eyes or skin.
Other hazards: it may cause an allergic reaction in predisposed individuals
3: COMPOSITION – INFORMATION ON INGREDIENTS

Chemical Description: Cosmetic product.

INGREDIENTS: All the ingredients are listed on the product’s box (on the box and on the label), according to the INCI nomenclature under the word “INGREDIENTI” or “INGREDIENTS”. They are listed weight-wise from major to minor according to Regulation (CE) n. 1223/2009, Art. 19.

FRAME FORMULA (according to EAPCCT/COLIPA “Frame formula” system)

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>MAXIMUM LEVELS (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>12</td>
</tr>
<tr>
<td>Surfactants, Emulsifying Agents (e.g. Ethoxylated Fatty Alcohols)</td>
<td>10</td>
</tr>
<tr>
<td>Humectants (e.g. Glycerin)</td>
<td>5</td>
</tr>
<tr>
<td>Chelanting Agents</td>
<td>0,5</td>
</tr>
<tr>
<td>Hydrogen Peroxide Stabilizing Agents</td>
<td>0,5</td>
</tr>
<tr>
<td>pH Adjusters</td>
<td>qs pH 2.5 – 3.5</td>
</tr>
<tr>
<td>Aqua</td>
<td>to 100</td>
</tr>
</tbody>
</table>

pH value of part 1 and part 2 mixed prior to use: 8 – 11.5

3.2a Contained substances considered to be a health hazard according to Directive 67/548/EEC and subsequent amendments, for which there are known exposure limits:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EINECS no.</th>
<th>Conc. Range %</th>
<th>CAS no.</th>
<th>Symbols</th>
<th>R Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>&lt; 8%</td>
<td>7722-84-1</td>
<td></td>
<td>C – Corrosive</td>
<td>R8, R34</td>
</tr>
<tr>
<td>Fatty Alcohol Etoxylate</td>
<td>&lt; 5%</td>
<td>67762-27-0</td>
<td></td>
<td>O – Comburent</td>
<td>R22, R36</td>
</tr>
</tbody>
</table>

3.3 List of hazardous substances for products not classified as hazardous in accordance with 1999/45/CE: N.A

3.4 Classification derived from articles 4 and 6 of Directive 67/548/CE: Full text of the pertinent R Phrases is specified at Section 16.

4: FIRST AID MEASURES

In case of doubt or when symptoms persist, seek medical advice, keeping the product safety data sheet handy. Never give anything by mouth to an unconscious person.

**Unintentional contact with eyes:** Remove contact lenses (if present and easy to do so), rinse immediately with plenty of lukewarm water for at least 15 minutes. If irritation persists, consult a doctor.

**Unintentional ingestion of sizeable amounts of product:** Do not induce vomit. Rinse mouth thoroughly and drink a couple of glasses of water. Consult a doctor immediately.

**Unintentional skin contact with undiluted product:** Rinse immediately skin with water and soap. Take contaminated clothes off and wash them prior to using them again. If skin irritation persists, consult a doctor.

**Massive inhalation:** Take patient to open air and have him breath normally. If symptoms persist, consult a doctor.
5: FIREFIGHTING MEASURES

General information. In the event the products should be involved in a fire, first of all cool them down to avoid decomposition of the product, which may develop health hazardous fumes. When acting to extinguish the fire, use adequate Personal Protection Equipment.

5.1 Suitable extinguishing media: The product is not flammable. Carbon Dioxide – Powder – Water spray.

5.2 Unsuitable extinguishing media: None.

5.3 Hazards resulting from exposure to combustion products: As a result of combustion and thermal decomposition, oxidation products may form and exposure to such products may result on health hazards.

5.4 Protective equipment: Standard equipment for fire fighting.

5.5 Additional information: Collect separately the extinguishing agent and dispose of according to applicable environmental legislation through an authorized company; cool with water the tanks or the containers close to fire sources. Take into account the wind direction.

6: ACCIDENTAL SPILL MEASURES

6.1 Personal precautions: Keep unnecessary personnel away from the area and isolate them. Ensure proper ventilation of the premises. Wear personal protection equipment.

6.2 Environmental precautions: In case of spilling, contain the spill with binding material (sand, soil, etc.) and collect in suitable containers for disposal. Do not discharge in the sewer system, in surface or in underground waters.

6.3 Cleaning methods: Absorb the product with inert material. Avoid contamination of the sewer system.

7: MANIPULATION AND STORAGE

7.1 Manipulation: Avoid contact with eyes, skin and mucous membranes. Handle with special care. Wear suitable protective clothing.

7.2 Storage: Store away from open flames, sparks or other sources of ignition. Store in cool and well-ventilated places at temperatures not exceeding 50° C. Do not store the product after it’s been mixed with other products. Avoid contact with food and beverages.

8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION

The working place should be well ventilated. Good ventilation and good air exchange must be ensured. For professional use, wear protective clothing, goggles and gloves. Use work-tools thoroughly cleaned; Avoid nickel-plated instruments; Avoid wearing jewelry. Do not breathe vapors.

8.1 Exposure limit values: Exposure limit values of ingredients listed in section 3 of the safety sheet:

Note: Known carcinogen in animals, with unknown relevance in men.

8.2 Exposure control:
Respiratory Protection: NOT NECESSARY, BUT AVOID INHALING VAPOURS.
Hands Protection: WEAR ACID-RESISTANT GLOVES.
Eye Protection: NOT REQUESTED, BUT AVOID CONTACT WITH EYES.
Skin Protection: NOT NECESSARY BUT TAKE OFF CONTAMINATED CLOTHING AND WASH THEM PRIOR TO WEARING THEM AGAIN.

8.3 Environmental exposure control: Provide adequate ventilation. The product, when used according to good use practises and in the recommended doses, does not pose a specific threat to the environment.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information:
Aspect (at 20° C): Creamy liquid
Color: Milky white
Form: Emulsion
Odor: Fruity

9.2 Chemical-Physical parameters
pH aqueous solution (conc.): 2.5 – 3.5
Boiling point / boiling range: N.A.
Flammability point (liquid): N.A.
Flammability: N.A.
Danger of Explosion: Non explosive
Danger of Combustion: Comburent
Vapor Pressure: N.A.
Relative density: 0.990 – 1.200 gr/ml
Water solubility: Soluble
Fat solubility: Not soluble
Viscosity:
Range 3.000–8.000 Brookfield DVII+
Spindle no. 6 / Speed 10

10: STABILITY AND REACTIVITY
Stable under normal conditions of use.

10.1 Conditions to avoid: High temperatures (> 50° C)

10.2 Materials to avoid: ACIDS, METALS, BASES.

10.3 Hazardous decomposition products: Combustion may produce VAPOUR AND OXYGEN.
### 11: TOXICOLOGICAL INFORMATION (all animal data refer to existing literature)

| Ingestion: | Man: Oral-Laryngeal Lesions  
LD50 rat, oral 1500 mg/Kg |
|---|---|
| Inhalation: | Man: Risk of irritation to the respiratory tract in case of strong Concentrations of vapors.  
Rat, inhalation > 0,17 mg/m3/4h |
| Contact with skin: | Man: Causes burning, swelling, erythema.  
Rabbit, skin > 6500 mg/Kg (H₂O₂ at 70%). |
| Contact with eyes: | Man: Causes irritation and irreversible damage. |

**ACUTE EFFECTS:** Carcinogen effect, duodenum, after prolonged exposure by mouth on mice. No proven effect on man.

### 12: ECOLOGICAL INFORMATION

Use this product according to good working practices, avoiding its dispersal in the environment.

#### 12.1 Eco-toxicity:
No data available.

#### 12.2 Aquatic toxicity:
No data available

#### 12.3 Bioaccumulation:
It decomposes, no bioaccumulation.

#### 12.4 Persistence / Degradability:
Non-persistent product, biodegradable. in the air, it breaks down through photolysis. In water, it decomposes into oxygen and water.

### 13: DISPOSAL OF USED / PARTIALLY USED PRODUCT

The product is classified as dangerous.

#### 13.1 Disposal of products:
SEND TO AUTHORISED DISPOSAL PLANTS.

#### 13.2 Disposal of contaminated containers:
IN COMPLIANCE WITH LOCAL OR NATIONAL REGULATIONS.

### 14: INFORMATION ON TRANSPORTATION

Keep away from food and beverages.

#### Road or Railway Transport:
ADR/RID
Not classified

Proper name for shipping:
HYDROGEN PEROXIDE, AQUEOUS SOLUTION conc. < 8%

#### Marine Transport:
IMO/IMDG
Not classified

Proper name for shipping:
HYDROGEN PEROXIDE, AQUEOUS SOLUTION conc. < 8%

Marine pollutant:
NO
EmS F-H, S-Q

#### Air Transport:
IATA/ICAO
Proper name for shipping: HYDROGEN PEROXIDE, AQUEOUS SOLUTION conc. < 8%
ERG Code: 5L

15: REGULATORY INFORMATION

Classification pursuant to regulation on dangerous substances and preparations - Italian Legislative Decree no. 65 of 14/03/03 – which is the implementation of Directives 1999/45/CE and 2001/60/CE:

Xi – IRRITANT

Risk Phrases: R36/38 Irritant to eyes and skin.
Safety Phrases: S2 Keep out of the reach of children.
S25 Do not ingest and avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 In case of contact with skin, wash immediately with plenty of water.
S46 If swallowed, seek medical advice immediately and show the container or label.

16: ADDITIONAL INFORMATION

Full text of pertinent R Phrases:
R8 Contact with combustible material may cause fire.
R22 Harmful if swallowed.
R34 Causes burns.
R36 Irritant to eyes.
R36/38 Irritant to eyes and skin.

MSDS Creation date: 27 03 15
Revision date: none
Contact info: info@colordesign.bs.it

The information contained in this material safety data sheet is based on our current knowledge and on applicable European laws. Working conditions at users’ end are beyond our knowledge and control. The product should not be used for purposes other than those indicated. It’s always a responsibility of the user to adhere to the standards of hygiene, safety and environmental protection provided for by applicable laws.
1: PRODUCT AND COMPANY IDENTIFICATION

Product Commercial Name: COLORDESIGN Oxidizing Emulsion Cream 30 and 40 Volume

Product identification: Cosmetic product. Pearly white/ivory creamy emulsion, containing stabilized Hydrogen Peroxide, to be mixed in the correct mixing ratio, with hair coloring or bleaching products.

Distributor Identification: ColorDesign Srl Unipersonale
Via S. Pellico, 10
25086 Rezzato (BS) – Italy

Emergency phone number: CENTRO ANTIVELENI (C.A.V.) – MILANO
Ospedale Niguarda “Ca’ Granda”
Piazza Ospedale Maggiore, 3
Phone. 02.6610.1029 – Fax 02.6444.2768
(Office hours)

2: HAZARD IDENTIFICATION

2.1 Classification: Cosmetic product conform with Directive 76/768/CEE and classified as DANGEROUS based on Directive 1999/45/CE

Xi – irritant – O - Comburent

2.2 Specific hazards to man and environment:
R36/38: Irritant to eyes and skin.
R8 Contact with combustible material may cause fire.

2.3 Main chemical-physical hazards:
Oxidative products. Danger of decomposition in case of fire. Danger of decomposition in case of contact with incompatible materials.

2.4 Negative effects:
Health: mild irritation in case of contact with eyes or skin.
Environment: Not environmentally indifferent product. Avoid discharging to sewer.
Symptoms associated with proper/improper use: PLEASE REFER TO SECTION 4.
Other hazards: it may cause an allergic reaction in predisposed individuals
3: COMPOSITION – INFORMATION ON INGREDIENTS

Chemical Description: Cosmetic product.

INGREDIENTS: All the ingredients are listed on the product’s box (on the box and on the label), according to the INCI nomenclature under the word “INGREDIENTI” or “INGREDIENTS”. They are listed weight-wise from major to minor according to Regulation (CE) n. 1223/2009, Art. 19.

FRAME FORMULA (according to EAPCCT/COLIPA “Frame formula” system)

3.2 Ingredients:

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>MAXIMUM LEVELS (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>12</td>
</tr>
<tr>
<td>Surfactants, Emulsifying Agents (e.g. Ethoxylated Fatty Alcohols)</td>
<td>10</td>
</tr>
<tr>
<td>Humectants (e.g. Glycerin)</td>
<td>5</td>
</tr>
<tr>
<td>Chelanting Agents</td>
<td>0,5</td>
</tr>
<tr>
<td>Hydrogen Peroxide Stabilizing Agents</td>
<td>0,5</td>
</tr>
<tr>
<td>pH Adjusters</td>
<td>qs pH 2,5 – 3,5</td>
</tr>
<tr>
<td>Aqua:</td>
<td>to 100</td>
</tr>
</tbody>
</table>

pH value of part 1 and part 2 mixed prior to use: 8 – 11,5

3.2a Contained substances considered to be a health hazard according to Directive 67/548/EEC and subsequent amendments, for which there are known exposure limits:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EINECS no.</th>
<th>Conc. Range %</th>
<th>CAS no.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>&lt; 8%</td>
<td>7722-84-1</td>
<td>C – Corrosive</td>
<td>R8, R34</td>
<td></td>
</tr>
<tr>
<td>Fatty Alcohol Ethoxylate</td>
<td>&lt; 5%</td>
<td>67762-27-0</td>
<td>O – Comburent</td>
<td>R22, R36</td>
<td></td>
</tr>
</tbody>
</table>

3.3 List of hazardous substances for products not classified as hazardous in accordance with 1999/45/CE: N.A

3.4 Classification derived from articles 4 and 6 of Directive 67/548/CE: Full text of the pertinent R Phrases is specified at Section 16.

4: FIRST AID MEASURES

In case of doubt or when symptoms persist, seek medical advice, keeping the product safety data sheet handy. Never give anything by mouth to an unconscious person.

Unintentional contact with eyes: Remove contact lenses (if present and easy to do so), rinse immediately with plenty of lukewarm water for at least 15 minutes. If irritation persists, consult a doctor.

Unintentional ingestion of sizeable amounts of product: Do not induce vomit. Rinse mouth thoroughly and drink a couple of glasses of water. Consult a doctor immediately.

Unintentional skin contact with undiluted product: Rinse immediately skin with water and soap. Take contaminated clothes off and wash them prior to using them again. If skin irritation persists, consult a doctor.
**Massive inhalation:** Take patient to open air and have him breath normally. If symptoms persist, consult a doctor.

### 5: FIREFIGHTING MEASURES

**General information.** In the event the products should be involved in a fire, first of all cool them down to avoid decomposition of the product which may develop health hazardous fumes. When acting to extinguish the fire, use adequate Personal Protection Equipment.

**5.1 Suitable extinguishing media:** The product is not flammable. Carbon Dioxide – Powder – Water spray.

**5.2 Unsuitable extinguishing media:** None.

**5.3 Hazards resulting from exposure to combustion products:** As a result of combustion and thermal decomposition, oxidation products may form and exposure to such products may result on health hazards.

**5.4 Protective equipment:** Standard equipment for fire fighting.

**5.5 Additional information:** Collect separately the extinguishing agent and dispose of according to applicable environmental legislation through an authorized company; cool with water the tanks or the containers close to fire sources. Take into account the wind direction.

### 6: ACCIDENTAL SPILL MEASURES

**6.1 Personal precautions:** Keep unnecessary personnel away from the area and isolate them. Ensure proper ventilation of the premises. Wear personal protection equipment.

**6.2 Environmental precautions:** In case of spilling, contain the spill with binding material (sand, soil, etc.) and collect in suitable containers for disposal. Do not discharge in the sewer system, in surface or in underground waters.

**6.3 Cleaning methods:** Absorb the product with inert material. Avoid contamination of the sewer system.

### 7: MANIPULATION AND STORAGE

**7.1 Manipulation:** Avoid contact with eyes, skin and mucous membranes. Handle with special care. Wear suitable protective clothing.

**7.2 Storage:** Store away from open flames, sparks or other sources of ignition. Store in cool and well-ventilated places at temperatures not exceeding 50° C. Do not store the product after it's been mixed with other products. Avoid contact with food and beverages.

### 8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION

The working place should be well ventilated. Good ventilation and good air exchange must be ensured. For professional use, wear protective clothing, goggles and gloves. Use work-tools thoroughly cleaned; Avoid nickel-plated instruments; Avoid wearing jewelry. Do not breathe vapors.
8.1 Exposure limit values: Exposure limit values of ingredients listed in section 3 of the safety sheet:
Note: Known carcinogen in animals, with unknown relevance in men.

8.2 Exposure control:
Respiratory Protection: NOT NECESSARY, BUT AVOID INHALING VAPOURS.
Hands Protection: WEAR ACID-RESISTANT GLOVES.
Eye Protection: NOT REQUESTED, BUT AVOID CONTACT WITH EYES.
Skin Protection: NOT NECESSARY BUT TAKE OFF CONTAMINATED CLOTHING AND WASH THEM PRIOR TO WEARING THEM AGAIN.

8.3 Environmental exposure control: Provide adequate ventilation. The product, when used according to good use practises and in the recommended doses, does not pose a specific threat to the environment.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information:
Aspect (at 20° C): Creamy liquid
Color: Milky white
Form: Emulsion
Odor: Fruity

9.2 Chemical-Physical parameters
pH aqueous solution (conc.): 2.5 – 3.5
Boiling point / boiling range N.A.
Flammability point (liquid) N.A.
Flammability N.A.
Danger of Explosion Non explosive
Danger of Combustion Comburent
Vapor Pressure N.A.
Relative density 0.990 – 1.200 gr/ml
Water solubility Soluble
Fat solubility Not soluble
Viscosity: Range 3.000 – 8.000 Brookfield DVII+

10: STABILITY AND REACTIVITY
Stable under normal conditions of use.

10.1 Conditions to avoid: High temperatures (> 50° C)

10.2 Materials to avoid: ACIDS, METALS, BASES.

10.3 Hazardous decomposition products: Combustion may produce VAPOR AND OXYGEN.
11: TOXICOLOGICAL INFORMATION (all animal data refer to existing literature)

Ingestion: Man: Oral-Laryngeal Lesions
LD50 rat, oral 1500 mg/Kg

Inhalation: Man: Risk of irritation to the respiratory tract in case of strong Concentrations of vapors.
Rat, inhalation > 0,17 mg/m3/4h

Contact with skin: Man: Causes burning, swelling, erythema.
Rabbit, skin > 6500 mg/Kg (H2O2 at 70%).

Contact with eyes: Man: Causes irritation and irreversible damage.

ACUTE EFFECTS: Carcinogen effect, duodenum, after prolonged exposure by mouth on mice. No proven effect on man.

12: ECOLOGICAL INFORMATION

Use this product according to good working practices, avoiding its dispersal in the environment.

12.1 Eco-toxicity: No data available.

12.2 Aquatic toxicity: No data available

12.3 Bioaccumulation: It decomposes, no bioaccumulation.

12.4 Persistence / Degradability: Non-persistent product, biodegradable. In the air, it breaks down through photolysis. In water, it decomposes into oxygen and water.

13: DISPOSAL OF USED / PARTIALLY USED PRODUCT

The product is classified as dangerous.

13.1 Disposal of products: SEND TO AUTHORISED DISPOSAL PLANTS.

13.2 Disposal of contaminated containers: IN COMPLIANCE WITH LOCAL OR NATIONAL REGULATIONS.

14: INFORMATION ON TRANSPORTATION

Keep away from food and beverages.

UN no. 2984

Road or Railway Transport:
ADR/RID
Class: 5.1
Packaging group: III
UN no. 2984
Classification code: O1
Label: 5.1
Proper name for shipping: HYDROGEN PEROXIDE, IN AQUEOUS SOLUTION.

Marine Transport:
IMO/IMDG
Class: 5.1
Packaging group: III
UN no. 2984
Marine pollutant: NO
EmS F-H, S-Q
Proper name for shipping: HYDROGEN PEROXIDE, IN AQUEOUS SOLUTION.

Air Transport:
IATA/ICAO
Not classified.
Class: 5.1
Packaging group: III
UN no. 2984
ERG Code: 5L
Proper name for shipping: HYDROGEN PEROXIDE, IN AQUEOUS SOLUTION

15: REGULATORY INFORMATION
Classification pursuant to regulation on dangerous substances and preparations - Italian Legislative Decree no. 65 of 14/03/03 – which is the implementation of Directives 1999/45/CE and 2001/60/CE:

Xi – IRRITANT / O - COMBUREN'T

Risk Phrases:  
R36/38 Irritant to eyes and skin.  
R8 Contact with combustible material may cause fire.

Safety Phrases:  
S2 Keep out of the reach of children.  
S25 Do not ingest and avoid contact with eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S28 In case of contact with skin, wash immediately with plenty of water.  
S46 If swallowed, seek medical advice immediately and show the container or label.
**16: ADDITIONAL INFORMATION**

Full text of pertinent R Phrases:

<table>
<thead>
<tr>
<th>R8</th>
<th>Contact with combustible material may cause fire.</th>
</tr>
</thead>
<tbody>
<tr>
<td>R22</td>
<td>Harmful if swallowed.</td>
</tr>
<tr>
<td>R34</td>
<td>Causes burns.</td>
</tr>
<tr>
<td>R36</td>
<td>Irritant to eyes.</td>
</tr>
<tr>
<td>R36/38</td>
<td>Irritant to eyes and skin.</td>
</tr>
</tbody>
</table>

MSDS Creation date: 27 03 15
Revision date: none
Contact info: info@colordesign.bs.it

The information contained in this material safety data sheet is based on our current knowledge and on applicable European laws. Working conditions at users' end are beyond our knowledge and control. The product should not be used for purposes other than those indicated. It's always a responsibility of the user to adhere to the standards of hygiene, safety and environmental protection provided for by applicable laws.
COSMETIC PRODUCT FOR PROFESSIONAL USE
PRODUCT INFORMATION FILE

1: PRODUCT AND COMPANY IDENTIFICATION

Product Commercial Name: COLORDESIGN FUN&GLAM intense direct color

Product identification: Cosmetic product. Creamy emulsion, opaque, with direct hair coloring dyes, ready for use.

Distributor Identification: COLORDESIGN SRL UNIPERSONALE
Via S. Pellico, 10
25086 Rezzato (BS)

Emergency phone number: CENTRO ANTIVELENI (C.A.V.) – MILANO
Ospedale Niguarda “Ca’ Granda”
Piazza Ospedale Maggiore, 3
Phone. 02.6610.1029 – Fax 02.6444.2768
(Office hours)

2: HAZARD IDENTIFICATION

2.1 Classification: Cosmetic product conforms to Directive 76/768/CEE and classified as NON DANGEROUS based on Directive 1999/45/CE.

2.2 Harmful effects on human health: It may be irritant for eyes, skin and mucous membranes. It may be harmful if ingested.

2.3 Harmful effects on the environment: Not relevant.

3: COMPOSITION – INFORMATION ON INGREDIENTS

Chemical Description: Cosmetic product.

INGREDIENTS: All the ingredients are listed on the product’s box (on the box and on the label), according to the INCI nomenclature under the word “INGREDIENTI” or “INGREDIENTS”. They are listed weight-wise from major to minor according to Regulation (CE) n. 1223/2009, Art. 19.

FRAME FORMULA 11.3 - 2011 (according to EAPCCT/COLIPA “Frame formula” system)

3.2 Ingredients:

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>MAXIMUM LEVELS (% w/w)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol and/or Isopropanol (alcohol, alcohol denat, isopropyl alcohol)</td>
<td>50</td>
</tr>
<tr>
<td>Oils (vegetal and/or mineral), waxes and fat substances (long chain alcohols)</td>
<td>20</td>
</tr>
<tr>
<td>Emulsifying agents (e.g. laureth)</td>
<td>11</td>
</tr>
<tr>
<td>Silicons, included volatile silicons (cyclopentasiloxane, dimethicone, amodimethicone)</td>
<td>10</td>
</tr>
</tbody>
</table>
Anionic/anfoteric/non ionic Surfactants (e.g. oleyl alcohol ether) 10
Hair Dying Agents (e.g. HC Red 3) 10
Solvents (e.g. propylene glycol, benzyl alcohol) 10
Cationic Surfactants C12 (e.g. dicetyldimonium chloride) 5
Other ingredients (e.g. plant extracts, protein derivatives) 5
Conditioning Agents (e.g. cationic polymers) 5
Resins (e.g. acrylates copolymer) 3
Thickening agents (e.g. cellulose derivatives) 2
Parfum 1
Preservatives, antimicrobics 1
pH Adjuster: acid (e.g. citric acid) or alkaline (sodium hydroxide) q.s. to pH 2-10
Aqua: to 100
pH value (10% aqueous solution): 6 – 8

4: FIRST AID MEASURES

In case of any doubt or when the symptoms are persisting, consult a doctor. Never give anything to an unconscious person.

Unintentional contact with eyes: Remove contact lenses (if present and easy to do so), rinse immediately with plenty of lukewarm water for at least 15 minutes. If irritation persists, consult a doctor.

Unintentional ingestion of sizeable amounts of product: Do not induce vomit. Rinse mouth thoroughly and drink a couple of glasses of water. Consult a doctor immediately.

Unintentional skin contact with undiluted product: Rinse immediately skin with water and soap. Take contaminated clothes off and wash them prior to using them again. If skin irritation persists, consult a doctor.

Massive inhalation: Take patient to open air and have him breath normally. If symptoms persist, consult a doctor.

5: FIREFIGHTING MEASURES

Suitable extinguishing media: Carbon Dioxide – Powder – Water spray (to be verified).

6: ACCIDENTAL SPILL MEASURES

Personal precautions: Avoid contact with eyes or skin and wear proper protection.

Environmental precautions: Collect waste and dispose of according to applicable environmental legislation.

Cleaning methods: Collect spillage with a piece of cloth and wash with plenty of water. Do not use the spilled product. Hydrogen peroxide is a strong oxidizer.

7: MANIPULATION AND STORAGE

Always store in the original containers. Store in a dry and well ventilated place (at room temperature). Do not store nor use the product near an open flame or a heat source (the product may deteriorate) or under direct sunlight. Do not store the product at temperatures below 5° C or above 50° C. Tightly close the containers after use. Do not use in any way other than that provided in the instructions for use. Do not use metal containers, stirrers or tools. Do not mix with other oxidizing agents (such as hydrogen peroxide or bleaching
products) with the exception of those prescribed. Use the dyeing mixture immediately. Any residual dyeing mixture can not be reused and must be disposed of immediately. Do not store the mixture in a closed container (it may swell and burst), in case you use a bottle for mixing the compound. Do not pierce nor burn the containers after use. Deliver only empty containers for recycling. Carefully follow the instructions for use.

8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION

The working place should be well ventilated. Good ventilation and good air exchange must be ensured. For professional use, wear protective clothing, goggles and gloves. Use work-tools thoroughly cleaned; Avoid nickel-plated instruments; Avoid wearing jewelry. Do not breathe vapors.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information:
- Aspect: Compact cream
- Color: Characteristic
- Odor: Characteristic

9.2 Chemical-Physical parameters
- pH (10% aqueous solution): 6 – 8
- Boiling point: Ca. 100° C
- Flammability point: Not applicable
- Density: Not determined
- Hydro-solubility: Dispersible
- Viscosity: >10,000 < 35,000 cps

9.3 Additional information: Not available

10: STABILITY AND REACTIVITY

Stable under normal conditions of use.

Conditions to avoid: Heat, direct sunlight, sparks, flames, temperatures below 5° C or above 50° C.

Materials to avoid: Acids and nickel-plated instruments.

Hazardous decomposition products: Combustion may produce oxides of carbon, nitrogen and sulphur and other vapors those may be harmful to health.

11: TOXOLOGICAL INFORMATION

Data on man:
- Eye irritant in case of contact.
- By ingestion, mild irritation of the gastrointestinal tract.
- By inhalation, irritation of the first respiratory tract.
- Repeated skin contact may lead to the onset of irritant and / or allergic dermatitis.

12: ECOLOGICAL INFORMATION
The product when used according to good use practices and the in the recommended doses, poses no specific threat to the environment. Do not discharge into the environment, but dispose of according to applicable environmental regulations.

13: CONSIDERAZIONI SULLO SMALTIMENTO

Waste disposal must be in accordance with local regulations.

14: INFORMAZIONI SUL TRASPORTO

NON DANGEROUS product and not subject to special provisions concerning:
- Road transportation, Directive 94/55/CE – 2006/89/CE (ADR 2007)
- Rail transportation, Directive 96/49/CE (RID 2007)
- Sea transportation, (IMDG 33-06)
- Air transportation (ICAO/IATA 2007)
- Transportation: RID, ADR, ICAO, IMO, IMDG: Not applicable

15: REGULATORY INFORMATION

Classification: Finished cosmetic products are manufactured according to Italian Law 713/86 and its amendments. Cosmetic products are specifically excluded from the application of national and European law on dangerous products.

EU Legislation Reference: European Regulation (CE) 1223/2009

Labeling: complying with European norms.

16: ADDITIONAL INFORMATION

When used according to the instructions provided by the manufacturer, the product is safe for humans and the environment. The following information is relevant in the case of misuse or accident. If professionals in salons frequently use the product, we recommend the use of suitable gloves (PPE).

CAUTION: This product contains ingredients that may cause skin irritation on certain individuals and a preliminary test according to accompanying directions should first be made. This product must not be used for dyeing the eyelashes or eyebrows; to do may cause blindness. Hair colorants can cause severe allergic reactions. Read and follow instructions. This product is not intended for use on persons under the age of 16. Temporary “black henna” tattoos may increase your risk of allergy. Do not colour your hair if: you have a rash on your face or sensitive, irritated and damaged scalp; you have ever experienced any reaction after colouring your hair; you have experienced a reaction to a temporary “black henna” tattoo in the past. Hair Dyes can cause an allergic reaction in some people – stop use if reaction occurs. Avoid contact with eyes. Keep out of reach of children. Allergy test: 1) With soap and water, wash an area the size of a quarter in the elbow bend or behind either ear, touching the hairline. Pat dry with absorbent cotton. 2) Apply a small amount of color to test area, using an absorbent cotton-tipped applicator. 3) Let test spot dry. Do not wash, cover or disturb. 4) Leave on for 48 hours. Examine 24 and 48 hours later. If no reaction has occurred, you are ready to color. First aid instructions: If the product comes in contact with eyes, rinse immediately with that water. In case of irritation, rinse area immediately with water. If irritation continues consult a physician immediately. Make sure to use appropriate gloves. FOR PROFESSIONAL USE ONLY.
The information contained in this material safety data sheet is based on our current knowledge and on applicable European laws. Working conditions at users' end are beyond our knowledge and control. The product should not be used for purposes other than those indicated. It's always a responsibility of the user to adhere to the standards of hygiene, safety and environmental protection provided for by applicable laws.
COSMETIC PRODUCT FOR PROFESSIONAL USE
PRODUCT INFORMATION FILE

1: PRODUCT AND COMPANY IDENTIFICATION

Product Commercial Name: COLORDESIGN permanent hair color cream with ceramides and keratin

Product identification: Cosmetic product. Creamy emulsion, opaque, that when mixed with stabilized Hydrogen Peroxide, develops oxidative hair coloring dyes.

Distributor Identification: COLORDESIGN SRL UNIPERSONALE
Via S. Pellico, 10
25086 Rezzato (BS)

Emergency phone number: CENTRO ANTIVELENI (C.A.V.) – MILANO
Ospedale Niguarda “Ca’ Granda”
Piazza Ospedale Maggiore, 3
Phone. 02.6610.1029 – Fax 02.6444.2768
(Office hours)

2: HAZARD IDENTIFICATION


2.2 Harmful effects on human health: It may be irritant for eyes, skin and mucous membranes. It may be harmful if ingested.

2.3 Harmful effects on the environment: Not relevant.

3: COMPOSITION – INFORMATION ON INGREDIENTS

Chemical Description: Cosmetic product.

INGREDIENTS: All the Hazardous Ingredients are listed below at maximum levels which may be found in the formulation.

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>MAXIMUM LEVELS (% w/w)</th>
<th>Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium Hydroxide</td>
<td>10.0</td>
<td>Corrosive</td>
</tr>
<tr>
<td>Sodium Hydrosulfite</td>
<td>0.5</td>
<td>Corrosive</td>
</tr>
</tbody>
</table>
**4: FIRST AID MEASURES**

In case of any doubt or when the symptoms are persisting, consult a doctor. Never give anything to an unconscious person.

**Unintentional contact with eyes:** Remove contact lenses (if present and easy to do so), rinse immediately with plenty of lukewarm water for at least 15 minutes. If irritation persists, consult a doctor.

**Unintentional ingestion of sizeable amounts of product:** Do not induce vomit. Rinse mouth thoroughly and drink a couple of glasses of water. Consult a doctor immediately.

**Unintentional skin contact with undiluted product:** Rinse immediately skin with water and soap. Take contaminated clothes off and wash them prior to using them again. If skin irritation persists, consult a doctor.

**Massive inhalation:** Take patient to open air and have him breath normally. If symptoms persist, consult a doctor.

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**5: FIREFIGHTING MEASURES**

**Suitable extinguishing media:** Carbon Dioxide – Powder – Water spray (to be verified).

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**6: ACCIDENTAL SPILL MEASURES**

**Personal precautions:** Avoid contact with eyes or skin and wear proper protection.

**Environmental precautions:** Collect waste and dispose of according to applicable environmental legislation.

**Cleaning methods:** Collect spillage with a piece of cloth and wash with plenty of water. Do not use the spilled product. Hydrogen peroxide is a strong oxidizer.

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**7: MANIPULATION AND STORAGE**

Always store in the original containers. Store in a dry and well ventilated place (at room temperature). Do not store nor use the product near an open flame or a heat source (the product may deteriorate) or under direct sunlight. Do not store the product at temperatures below 5°C or above 50°C. Tightly close the containers after use. Do not use in any way other than that provided in the instructions for use. Do not use metal containers, stirrers or tools. Do not mix with other oxidizing agents (such as hydrogen peroxide or bleaching products) with the exception of those prescribed. Use the dyeing mixture immediately. Any residual dyeing mixture can not be reused and must be disposed of immediately. Do not store the mixture in a closed container (it may swell and burst), in case you use a bottle for mixing the compound. Do not pierce nor burn the containers after use. Deliver only empty containers for recycling. Carefully follow the instructions for use.

---

**8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION**

The working place should be well ventilated. Good ventilation and good air exchange must be ensured. For professional use, wear protective clothing, goggles and gloves. Use work-tools thoroughly cleaned; Avoid nickel-plated instruments; Avoid wearing jewelry. Do not breathe vapors.

---

**9: PHYSICAL AND CHEMICAL PROPERTIES**
9.1 General information:
Aspect: Compact cream
Color: Characteristic
Odor: Characteristic

9.2 Chemical-Physical parameters
pH (Hilift Series) 10.20 – 11.20
pH (all other colors) 9.50 – 10.50
Boiling point: Ca. 100° C
Flammability point: Not applicable
Density: Not determined
Hydro-solubility: Dispersible
Viscosity: 30.000 - 70.000 cps

9.3 Additional information: Not available

10: STABILITY AND REACTIVITY
Stable under normal conditions of use.
Conditions to avoid: Heath, direct sunlight, sparks, flames, temperatures below 5° C or above 50° C.
Materials to avoid: Acids and nickel-plated instruments.

11: TOXOLOGICAL INFORMATION
Data on man:
Eye irritant in case of contact.
By ingestion, mild irritation of the gastrointestinal tract.
By inhalation, irritation of the first respiratory tract.
Repeated skin contact may lead to the onset of irritant and / or allergic dermatitis.

12: ECOLOGICAL INFORMATION
The product when used according to good use practices and the in the recommended doses, poses no specific threat to the environment. Do not discharge into the environment, but dispose of according to applicable environmental regulations.

13: CONSIDERAZIONI SULLO SMALTIMENTO
Waste disposal must be in accordance with local regulations.

14: INFORMAZIONI SUL TRASPORTO
NON HAZARDOUS/NON DANGEROUS by all modes of transport:
Road transportation, Directive 94/55/CE – 2006/89/CE (ADR 2007); DOT 49 CFR
| Rail transportation, Directive 96/49/CE (RID 2007); DOT 49 CFR  
| Sea transportation, (IMDG 33-06)  
| Air transportation (ICAO/IATA 2007)  
| Transportation: RID, ADR, ICAO, IMO, IMDG: Not applicable  

### 15: REGULATORY INFORMATION

**Classification:** Finished cosmetic products are manufactured according to Italian Law 713/86 and its amendments. Cosmetic products are specifically excluded from the application of national and European law on dangerous products.

**EU Legislation Reference:** European Regulation (CE) 1223/2009

**Labeling:** complying with European & North Americans guidelines.

### 16: ADDITIONAL INFORMATION

- **MSDS Creation Date:** 27 03 15  
- **Revision Date:** None  
- **Contact Info:** info@colordesign.bs.it  

The information contained in this material safety data sheet is based on our current knowledge and on applicable European laws. Working conditions at users' end are beyond our knowledge and control. The product should not be used for purposes other than those indicated. It's always a responsibility of the user to adhere to the standards of hygiene, safety and environmental protection provided for by applicable laws.
1: PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Commercial Name:</th>
<th>COLORDESIGN Shiny Blond blue lightening cream</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product identification:</td>
<td>Cosmetic product. Creamy emulsion, opaque, of a white to light blue/blu color, containing Persulfates, to be mixed in the proper ratio with stabilized Hydrogen Peroxide solution.</td>
</tr>
<tr>
<td>Distributor Identification:</td>
<td>COLORDESIGN SRL UNIPERSONALE Via S. Pellico, 10 25086 Rezzato (BS)</td>
</tr>
<tr>
<td>Emergency phone number:</td>
<td>CENTRO ANTIVELENI (C.A.V.) – MILANO Ospedale Niguarda “Ca’ Granda” Piazza Ospedale Maggiore, 3 Phone. 02.6610.1029 – Fax 02.6444.2768 (Office hours)</td>
</tr>
</tbody>
</table>

2: HAZARD IDENTIFICATION

2.1 Classification: Cosmetic product in conformity with Directive 76/768/CEE and classified as HARMFUL on the basis of Directive 1999/45/CE:

2.2 Specific Risks:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R7</td>
<td>May cause fire</td>
</tr>
<tr>
<td>R22</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>R36/37/38</td>
<td>Irritating to eyes, respiratory system and skin</td>
</tr>
<tr>
<td>R42/43</td>
<td>May cause sensitization by inhalation and skin contact.</td>
</tr>
</tbody>
</table>

2.3 Main Chemical-Physical hazards:

If the product is exposed to moisture, an exothermic reaction can take place and possible spontaneous combustion is possible.

2.4 Negative effects:
Health: Irritant when in contact with eyes, skin and membranes. Environment: PRODUCT NOT ENVIRONMENTALLY INDIFFERENT. AVOID DISCHARGE TO SEWERS. Symptoms associated with proper/improper use: please refer to section 4. Other hazards: it may cause an allergic reaction in predisposed individuals.

3: COMPOSITION – INFORMATION ON INGREDIENTS

Chemical Description: Cosmetic product

INGREDIENTS: Ingredients are listed on each unit (label or box) according to INCI names, under the term “Ingredienti” or Ingredients”, in a descending order of weight as required by Regulation (CE) n. 1223/2009, Art. 19.

FRAME FORMULA COMPOSITION ( “Frame formula” system by EAPCCT/COLIPA)

3.2 Ingredients:

INGREDIENTS MAXIMUM CONCENTRATION
Ammonium / Sodium / Potassium persulfates 70%
Fillers (i.e. Kaolin, Silica) 50%
Humectants (i.e. Sodium Lauryl Sulfate) 15%
pH adjusters (i.e. Sodium Silicate) * 15%
Ammonium Hydroxide liberators (i.e. Magnesium Carbonate Hydroxide) 12%
Viscosity controlling agents (i.e. Magnesium Carbonate, Guar Gum) 5%
Additional ingredients (i.e. Paraffinum Liquidum, Cera Alba, Tetrasodium EDTA) 5%
* pH adjusters: q.s. 10 < pH < 11 (dispersion 1% powder in H₂O)

3.2a Contained substances considered to be a health hazard according to Directive 67/548/EEC and subsequent amendments, for which there are known exposure limits:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>EINECS N°</th>
<th>Concentr.%</th>
<th>CAS N°</th>
<th>Symbols</th>
<th>R Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Persulfate</td>
<td>231-781-8</td>
<td>25 -50</td>
<td>7727-21-1</td>
<td>Xn HARMFUL</td>
<td>R8, R22, R42/43</td>
</tr>
<tr>
<td>Sodium Metasilicate</td>
<td>229-912-9</td>
<td>10-25</td>
<td>6834-92-0</td>
<td>C CORROSIVE</td>
<td>R34, R37</td>
</tr>
<tr>
<td>Ammonium Persulfate</td>
<td>231-786-5</td>
<td>10-25</td>
<td>7727-54-0</td>
<td>Xn HARMFUL</td>
<td>R8, R22, R36/37/38</td>
</tr>
<tr>
<td>Sodium Persulfate</td>
<td>231-892-1</td>
<td>10-25</td>
<td>7775-27-1</td>
<td>Xn HARMFUL</td>
<td>R8, R36/37/38</td>
</tr>
<tr>
<td>Sodium Lauryl Sulfate</td>
<td>205-788-1</td>
<td>&lt; 1</td>
<td>151-21-3</td>
<td>Xn HARMFUL</td>
<td>R20/22, R37/38, R41</td>
</tr>
<tr>
<td>Tetrasodium EDTA</td>
<td>200-788-1</td>
<td>&lt; 1</td>
<td>64-02-8</td>
<td>Xn HARMFUL</td>
<td>R22, R36, R52/53</td>
</tr>
</tbody>
</table>

3.3 List of hazardous substances for products not classified as hazardous in accordance with 1999/45/CE: N.A.

3.4 Classification derived from articles 4 and 6 of Directive 67/548/CE: Full text of the pertinent R Phrases is specified at Section 16.

4: FIRST AID MEASURES

GENERAL INSTRUCTION: In case of doubt or when symptoms persist, seek medical advice, keeping the product safety data sheet handy. Never give anything by mouth to an unconscious person.
Measures to be taken in case of:

**Unwanted contact with eyes:** Remove contact lenses (if applicable), wash thoroughly and carefully with water for at least 15 minutes and seek medical advice.

**Unwanted ingestion of a large quantity of product:** Rinse mouth with water without ingesting it. Seek medical advice.

**Skin contact with undiluted product:** Rinse immediately with water. Take off contaminated clothes and wash them right away. In presence of allergic reactions, seek the advice of a dermatologist.

**Massive inhalation:** Take the person to open air and away from the contaminated place. In case of asthma seek medical advice.

---

5: **FIREFIGHTING MEASURES**

**GENERAL INSTRUCTION:** Immediately cool off the containers to avoid the decomposition of the product and the formation of potentially hazardous products. Always wear fire protective gear.

**Suitable extinguishing media:** Water, water spray, CO\(_2\), foam. Water or water spray has to be used until complete extinguishing.

**Unsuitable extinguishing media:** None in particular, though some extinguishing media (chemical powders, sand, gravel, etc.) may result as not efficient because the product contains oxidizing substances that fuel the combustion.

**Hazards resulting from exposure to combustion products:** As a result of combustion and thermal decomposition, the product develops toxic and corrosive gases/vapors of ammonia, sulphur dioxide (SO\(_2\)) and sulphur trioxide (SO\(_3\)).

**Protective equipment:** Standard equipment for fire fighting.

---

6: **ACCIDENTAL SPILL MEASURES**

**Personal protection:** Wear personal protection gear.

**Environmental precautions:** Adequate ventilation must be assured to avoid the formation of irritant concentrations. Avoid penetration of the product into the soil/earth. If the product reaches watercourses and/or the sewage system, alert the Concerned Authorities.

**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.

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7: **MANIPULATION AND STORAGE**

**Manipulation:** Avoid contact with eyes, skin and mucous membranes. Handle with special care. Wear suitable protective clothing. Avoid localized friction and overheating of the product. Provide accurate dust prevention and adequate ventilation/aspiration in working areas. Avoid the formation of electro-static charges.

**Storage:** Store in a cool (below 30°C) and dry area. Avoid contamination and avoid the presence of reducing agents such as permanent wave lotions. Discard any unused mixture with developer or bleaching lotions, since the container may break. Avoid contact with 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.
8: EXPOSURE CONTROL / INDIVIDUAL PROTECTION

Exposure limit values: Exposure limit values of ingredients listed in section 3 of the safety sheet:

- Ammonium Persulfate: TLV-TWA 1 mg/m³
- Potassium Persulfate: TLV-TWA: 0.10 mg/m³
- Sodium Persulfate: TLV-TWA (UK) 1 mg/m³
- Sodium Metasilicate anhydrous: TLV-TWA10 mg/m³

Exposure control:

Exposure controls: USUAL FOR CHEMICAL PRODUCTS.
Respiratory protection: NOT REQUIRED. AVOID INHALING THE PRODUCT.
Hands protection: WEAR PROTECTIVE GLOVES.
Eyes protection: NOT REQUIRED. AVOID CONTACT WITH EYES.
Skin protection: NOT NECESSARY. TAKE OFF CONTAMINATED CLOTHING AND WASH THEM PRIOR TO WEARING THEM AGAIN.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information:
- Aspect (at 20° C): Granulose cream
- Color: White to Light Blue
- Odor: Characteristic

9.2 Chemical-Physical parameters:
- pH (aqueous dispersion 1g/100ml): 10.5 – 11.65
- Fusion point: n.a.
- Boiling point: n.a.
- Flammability point: > 65°C
- Inflammability: > 65°C
- Explosive properties: n.a.
- Oxidizing properties: yes
- Vapor tension: n.a.
- 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.a
- Viscosity: n.a.
- Vapor density: n.a.

9.3 Additional information
Decomposition temperature  > 65°C
% Persulfates  @ 40
% Silicates and Metasilicates  @ 15

10: STABILITY AND 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 generates oxygen which can give rise to 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.

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

Materials to avoid: acids, alkali, metals, burning and combustible materials. Do not use metallic bowls or stirrers.

Hazardous decomposition products: corrosive gases/vapors; toxic gases/vapors of sulphur oxides (SO₅), ammonia, nitrogen oxides (NOₓ) and ozone.

11: TOXICOLOGICAL INFORMATION (all animal data refer to existing literature)

Health hazards coming from the use of the product.
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.

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 anhydrous  LD₅₀ (oral rat) = 1125 mg/kg

Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomit and diarrhea.
Further information: if used properly, further health hazards are not known, nor predictable.

12: ECOLOGICAL INFORMATION

The product, if used according to the good use practice and in the prescribed way and dosage, does not pose any specific risk to the environment. Do not disperse in the environment and dispose of according to local legislation.

12.1 Eco-toxicity: 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)
   German classification of risk for waters: WGK 1
   – slightly dangerous.

12.2 Mobility: No data available
12.3 Persistence / Degradability: No data available
12.4 Bio-accumulation potential: No data available
12.5 PBT Evaluation results: No data available
12.6 Additional data: No data available

13: DISPOSAL OF USED / PARTIALLY USED PRODUCT

The product is classified as hazardous.

13.1 Disposal of products: SEND TO AUTHORISED DISPOSAL PLANTS.
13.2 Disposal of contaminated containers: IN COMPLIANCE WITH LOCAL OR NATIONAL REGULATIONS.

14: INFORMATION ON TRANSPORTATION

UN No. 1479

Road and railway transportation: ADR/RID –GGVS/E
Class: 5.1 - Oxidizing flammable solid
Packaging group: III
Proper shipping name: Oxidizing solid, N.O.S.
(Potassium Persulfate, Ammonium Persulfate, etc.)

Maritime transportation: IMO/IMDG
Class: 5.1
Packaging group: III
Marine pollutant: NO
EmS number: F-A, S-Q
Proper shipping name: Oxidizing solid, N.O.S.
(Potassium persulfate, Ammonium persulfate, etc.)
### 15: REGULATORY INFORMATION

Classification pursuant to regulation on dangerous substances and preparations - Italian Legislative Decree no. 65 of 14/03/03 – which is the implementation of Directives 1999/45/CE and 2001/60/CE:

<table>
<thead>
<tr>
<th>R phrases</th>
<th>S phrases</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>R7</td>
<td>S2</td>
<td>May cause fire</td>
</tr>
<tr>
<td>R22</td>
<td>S7/8</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>R36/37/38</td>
<td>S15</td>
<td>Irritating to eyes, respiratory system and skin</td>
</tr>
<tr>
<td></td>
<td>S24/25</td>
<td>Keep out of reach of children</td>
</tr>
<tr>
<td>R8</td>
<td>S46</td>
<td>Avoid contact with skin and eyes</td>
</tr>
</tbody>
</table>

### 16: ADDITIONAL INFORMATION

**Full text of pertinent R Phrases:**

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

The information contained in this material safety data sheet is based on our current knowledge and on applicable European laws. Working conditions at users' end are beyond our knowledge and control. The product should not be used for purposes other than those indicated. It’s always a responsibility of the user to adhere to the standards of hygiene, safety and environmental protection provided for by applicable laws.