



Material Safety Data Sheet

1: PRODUCT AND COMPANY IDENTIFICATION

Product Commercial Name:	WILDCOLOR LIGHTENING CREAM
Product identification:	Cosmetic product. Creamy emulsion, opaque, of a white to light blue /blue color, containing Persulfates, to be mixed in the proper ratio with stabilized Hydrogen Peroxide solution.
Distributor Identification:	WILD WORD HAIR SRL VIALE CIRENE,7 20135 MILANO (MI) 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 in conformity with Directive 76/768/CEE and classified as **HARMFUL** on the basis of Directive 1999/45/CE:



Xn – Harmful – **O** - Oxidizer

2.2 Specific Risks:

R7	May cause fire
R22	Harmful if swallowed
R36/37/38	Irritating to eyes, respiratory system and skin
R42/43	May cause sensitization by inhalation and skin contact.

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.

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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 H ₂ O)	

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:

Chemical name	EINECS N°	Concentr. %	CAS N°	Symbols	R Phrases
Potassium Persulfate	231-781-8	25 -50	7727-21-1	Xn HARMFUL	R8, R22, R42/43 O OXIDIZING
Sodium Metasilicate	229-912-9	10-25	6834-92-0	C CORROSIVE	R34, R37
Ammonium Persulfate	231-786-5	10-25	7727-54-0	Xn HARMFUL	R8, R22, R36/37/38 O OXIDIZING
Sodium Persulfate	231-892-1	10-25	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	200-788-1	< 1	64-02-8	Xn HARMFUL	R22, R36, R52/53

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:

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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 health hazardous products. Always wear fire protective gear.

Suitable extinguishing media: Water, water spray, CO₂, 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 (SO₂) and sulphur trioxide (SO₃).

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.

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

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

Ammonium Persulfate	TLV-TWA 1 mg/m ³
Potassium Persulfate	TLV-TWA: 0,10 mg/m ³
Sodium Persulfate	TLV-TWA (UK) 1 mg/m ³
Sodium Metasilicate anhydrous:	TLV-TWA 10 mg/m ³

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

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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 (SO_x), ammonia, nitrogen oxides (NO_x) 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

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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.)

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Air transportation:



IATA/ICAO

Class:5.1

Packaging group: III

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:



Xn – Harmful – O - Oxidizer

R phrases

R7

May cause fire

R22

Harmful if swallowed

R36/37/38

Irritating to eyes, respiratory system and skin

S phrases

S2

Keep out of reach of children

S7/8

Keep container tightly close and dry

S15

keep away from heat

S24/25

Avoid contact with skin and eyes

S46

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

16: ADDITIONAL INFORMATION

Full 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

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

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