



MATERIAL SAFETY DATA SHEET Finished Product.

According to Regulation (EC) N° 1907/2006 of the European Parliament and of the Council and subsequent modifications.

SECTION 1 - CHEMICAL SUBSTANCE/PRODUCT AND COMPANY IDENTIFICATION

Finished Product Name: Hair Spray Strong 500ml

Company Identification: ABRIL ET NATURE, SL. C/ Palautordera, 26, 08401 Granollers (BARCELONA - Spain)
Telephone: + 34 93 540 50 58

In case of medical emergencies, please contact your local poison control center.

Transportation emergency (24 hour), contact:

EUROPE: 00 32 3575 5555

USA and Canada: Transportation Emergency Involving Chemical Spills, Leaks, Fires, or Accidents (24hr): Phone # 1-800-424-9300.

ASIA PACIFIC: 24 hr Toll Free Number: +800 ALERTSGS (+800-2537-8747)// 24hr Singapore Exchange Number: +65 6542-9595.

Date: january 2012

Updated: january 2013

Version: 1/English

SECTION 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture: this is personal care, cosmetic product. This product, fulfill the requirements of the Regulation on Cosmetic Products 2009/1223/CE. This mixture is classified as dangerous according to Directive 1999/45/CE (see section 15 MSDS).

Specific aerosols labelled:

Warnings: Container under pressure. Keep out direct sunlight and do not expose to temperatures higher than 50°C. Do not spray on flame or incandescent surfaces. Do not smoke. Store away from every source of combustion. Do no perforate or burn, even after use. Avoid inhaling directly to or spraying in the eyes. Keep out of the reach of children. Additional information on toxicological endpoints is available from the supplier upon request. This product doesn't be used to any purpose different from the expected use: a cosmetic product for hair.

POTENTIAL HEALTH EFFECTS:

Eye: Contact may cause mild, transient irritation. Some redness and/or stinging may occur.

Skin: Not expected to be irritating, sensitizing, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient.

Inhalation:

Ingestion: Product used as intended is not expected to cause gastrointestinal irritation. Accidental ingestion of undiluted product may cause mild gastrointestinal irritation with nausea, vomiting and diarrhea.

SECTION 3 – COMPOSITION. INFORMATION ON INGREDIENTS

The complete ingredient list for the finished product(s) is as follows:

Blend: aerosol CFC's free.

Active Ingredient:

Other Ingredients: Alcohol Denat., Isobutane, Propane, Octylacrylamide/Acrylates/Butylaminoethyl Methacrylate Copolymer, Aminomethyl Propanol, Parfum/Fragrance, PEG-12 Dimethicone, Hexyl Cinnamal, Benzyl Salicylate, Linalool, Limonene.

SECTION 4 - FIRST AID MEASURES

Eye: Thorough rinsing for 15-20 minutes of the affected eye with water is recommended. If discomfort or irritation persists, contact a physician.

Skin Problem: Discontinue use of product. Apply cold compresses to affected areas to relieve any discomfort. If discomfort persists, contact a physician.

Inhalation: If respiratory irritation occurs, remove individual to fresh air. If discomfort persists, contact a physician.

Ingestion: Accidental ingestion of product may necessitate medical attention. In case of accidental ingestion dilute with fluids (water or milk) and treat symptomatically. Do not induce vomiting. Note: After first aid treatment, the caller should be advised that 1) a hospital emergency room or family physician should be consulted if anything unusual occurs or appears necessary in the judgment of the caller, and 2) that the subsequent management of the accident should be dictated by any persistent symptoms and under the direction of the physician.

SECTION 5 - FIRE FIGHTING MEASURES

Extinguishing Media: CO₂, foam, chemical powder, depending on the other substances

implicate in fire.

Extinguishing Media to be avoided: Stream of water. It is recommended to use pulverized water, only in order to cool containers exposed to fire, considering that the aerosol can explode because of the internal pressure that they reach when they are exposed to temperatures higher than 50°C. Containers susceptible to explode can be violently projected during a fire.

Explosion Hazard: do not expose to temperatures higher than 50°C. Do not spray on flame or incandescent surfaces

Personal precautions: Fire can produce a dense smoke. Decomposition products can be damaging for health. Use personal respiratory protective equipment: smoke protection mask.

Special Fire Fighting Procedures: Fire-fighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.

Unusual Fire and Explosion Hazards: Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapours are heavier than air and may travel along surfaces to remote ignition sources and flash back.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Personal precautions: Assure adequate air circulation. Don't inhale gas, vapour or fog. Wear appropriate protective clothing (see Section 8). If necessary, leave the area.

Procedures for Spill/Leak Clean-up: Eliminate all sources of ignition. Ventilate the area. Soak up non volatile components with inert absorbent material. Shovel into suitable container for disposal. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal.

Environmental precautions: try to prevent the material from entering drains on water courses and ground. Report spills to authorities as required.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Avoid breathing vapours or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.

Vapours are heavier than air and may travel along the ground. Vapours can make explosive blends in the air. Therefore, avoid create vapour concentrations in the air. Keep de containers properly closed. Secure that the valves are in good condition.

Conditions for Safe Storage: Store in a cool, well-ventilated area. Do not store above 50°C or in direct sunlight. Secure that the valves are in good condition.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

For Household Settings: This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseen use.

For Non-Household Settings:

Control parameters:

Chemical name	VLA-ED (ppm)	VLA-EC (ppm)
GLP:		—
Isobutano	800	—
Propano	2000	—
Etanol	1000	—

Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Skin and body protection: Use gloves and other protective clothing (apron, boots, etc) to prevent skin contact. Recommended materials: PVC, neoprene, rubber EN 374). Antistatic clothes and footwear, on natural fibres are recommended.

Eye protection: Use safety glasses or safety goggles if splash hazards exist. (EN 166)

Respiratory protection: In case that the oxygen concentration will be below 10%, personal respiratory protective equipment will be required.

Always follow good hygienic work practices. Avoid prolonged contact with skin and clothing. Hygiene measures: general industrial hygiene practice.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Colour, Odour and Appearance:

Container with liquid gas (GLP) inside. Light amber liquid.

Characteristic odour.

Melting Point: Not applicable.

Boiling Point: Not applicable.

pH: 9 ± 1 (liquid)

Solubility in Water: soluble.

Specific Gravity (liquid) (gr/mL): $0,808 \pm 0,01$ (20°C)

Viscosity Brookfield (20°C): Not determined

Flashpoint: - 70°C for the GLP

Inflammability: yes

Vapour pressure: 3,5 bar aprox.

Other information: Containers are susceptible to explode at high temperatures. Vapours are heavier than air and may accumulate in closed areas, as basements. Use adequate general and local exhaust ventilation.

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability: stable under normal conditions of handling, use and transportation.

Hazardous polymerization: will not occur.

Hazardous reactions: will not occur.

Hazardous decomposition products: combustion will generate: carbon oxides (Carbon monoxide and carbon dioxide), nitrogen oxides.

Conditions to Avoid: Container under pressure. Keep out direct sunlight and do not expose to temperatures higher than 50°C. Do not spray on flame or incandescent surfaces. Do not smoke. Store away from every source of combustion. Do not perforate or burn, even after use. Do not blend with strong oxidizing agents. Avoid materials which be able to corrode the container.

SECTION 11 - TOXICOLOGICAL INFORMATION

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use. This product is not classified as toxic by established criteria. Additional information on toxicological endpoints is available from the supplier upon request.

Chronic Effects: Finished product is not expected to have chronic health effects.

Target Organs: No adverse health effects on target organs expected for finished product.

Carcinogenicity: None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard. Finished product is not expected to be carcinogenic.

SECTION 12 - ECOLOGICAL INFORMATION

No data is currently available. Prevent the material from entering drains on water courses and ground. Packaging components are compatible with the conventional solid waste management practices. Additional information is available from the supplier on request.

SECTION 13 - DISPOSAL CONSIDERATIONS

If this product becomes a waste, it would be expected to meet the criteria of a ignitable

hazardous waste.

Follow all applicable community, national or regional regulations regarding waste management methods.

SECTION 14 - TRANSPORT INFORMATION

European legislation relating to international Hazardous Substances transport by ground (ADR).

European legislation relating to international Hazardous Substances transport by railway (RID).

European legislation relating to maritime international Hazardous Substances transport (IMDG).

European legislation relating to international Hazardous Substances transport by air (IATA - ICAO):

Number ONU: UN1950

Official assignment United Nations transport:

ADR/RID/IMDG: AEROSOLS

IATA – ICAO: AEROSOLS, FLAMMABLES.

Hazard class for transport: class 2.

Packaging group: this class doesn't have packaging group.

Hazards for environment: not maritime contaminant

Preventive measures for users: label 2.1



SECTION 15 - ADDITIONAL REGULATORY INFORMATION

This product fulfill the requirements of the Regulation on Cosmetic Products 2009/1223/CE. Perfumes contained within the products covered by this MSDS comply with appropriate IFRA guidance.

This product is identified according to R.D. 255/2003 28th February (and posterior modifications) and to Directive 1999/45/CE.

Symbol:



F⁺

EXTREMELY FLAMMABLE

Risk phrases:

R12: extremely flammable

Security phrases:

S2: Keep out of the reach of children.

S16: Keep out from flame or source of sparkles. Do not smoke.

Container under pressure. Keep out direct sunlight and do not expose to temperatures higher than 50°C. Do not spray on flame or incandescent surfaces. Do not smoke. Store away from every source of combustion. Do not perforate or burn, even after use. Avoid inhaling directly to or spraying in the eyes. Keep out of the reach of children.

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SECTION 16 – OTHER INFORMATION

MSDS issue by abril et nature Research and Development Department, Barcelona, Spain.

This MSDS has been prepared according to:

Regulation (UE) N° 453/2010 of the 20th May of the European Commission.

Regulation (CE) n° 1907/2006 of of the 18th December of the European Parliament and of the Council.

Spanish Regulation Royal Decree 1381/2009 of 28th August about requirements for manufacturing and commercializing aerosols generatives.

This MSDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this product. The information contained here has been compiled from sources considered by abril et nature Research and Development Department, to be dependable and is accurate to the best of the department's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this product needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee

exposures, property damage or release to the environment. Abril et nature assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

For purposes of this MSDS, abril et nature, as responsible party, provides the information herein which is intended for use by persons who have or should obtain professional knowledge and experience in the subjects discussed.

*******END OF MSDS*******

Signature:

A handwritten signature in blue ink, appearing to read 'Eulàlia', is written over a light blue rectangular background.

Eulàlia Piera i Vilar
Technical Manager
Abril et nature, SL

