



# SAFETY DATA SHEET

According to Commission Regulation (EC) No 1907/2006, Annex II, and (EU) No 2015/830.

## LuxHair Scalp Protector

### Contact and Media:

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SDS number: LH 012

Issue date: 25/02/2021

ISO language code: EN

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

**Product name:** Scalp Protector spray

**Product number:** LH 012

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Creation of a protective film for the scalp.

**Uses advised against** No specific uses advised against are identified.

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

Abelross International Business S.L.

Calle Monteros, 15 – Local bajo

Madrid, 28034

Spain

+34 915540041

+34 649680315

[info@abelross.com](mailto:info@abelross.com)

### 1.4. Emergency telephone numbers

**Contact (Germany)** BfR Bundesinstitut für Risikobewertung

**Address** Max-Dohrn-Str. 8-10, 10589 Berlin

**Emergency telephone** +49 30184120

**Email:** [bfr\(at\)bfr.bund.de](mailto:bfr(at)bfr.bund.de)

<b>Contact (France)</b>	French National Products and Composition Database (B.N.P.C.); French Poison and toxicovigilance Centre Network
Address	Centre Antipoison de Nancy, CHU de Nancy, Hôpital Central, 29 avenue du Maréchal de Lattre de Tassigny, 53035 NANCY Cedex France
Emergency telephone	+ 33 383852192
Email:	bnpc(at)chru-nancy.fr
<b>Contact (Spain)</b>	Instituto Nacional de Toxicología y Ciencias Forenses
Address	Calle José Echegaray, 4 28032 Las Rozas de Madrid, Madrid
Emergency telephone	+34 917689800
Email:	intcf@mju.es and sit.documentacion@mju.es
<b>Contact (Portugal)</b>	Centro de informação antivenenos
Address	Rua Almirante Barroso, 36 1000-013 Lisboa, Portugal
Emergency telephone	+35 1213303271
Email:	ciav.tox(at)inem.pt

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture: Overview

#### Classification (EC 1272/2008)

<b>Physical hazards</b>	Flammable liquids (Category 2), H225
<b>Health hazards</b>	Eye Irrit. 2 - H319, STOT SE 3 - H336
<b>Environmental hazards</b>	Not Classified

### 2.2. Label elements

#### PICTOGRAMS(S)



**Signal word** Danger

## Hazard statements

Hazard Code	Hazard class
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness

## Precautionary Statements

Precautionary Code	General precautionary statement
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501	Dispose of contents/ container in accordance with national regulations.

## Supplementary precautionary statements

Precautionary Code	General precautionary statement
P280	Wear protective gloves/protective clothing/eye protection/face protection
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/ doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/ attention.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

## 2.3. Other hazards

This mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State Hazardous Substances regulations.

### 3.2. Mixtures

<b>Isopropyl alcohol</b> CAS number: 67-63-0	EC number: 200-661-7	75-100% REACH registration number: 01-2119457558-25-XXXX
<b>Classification</b> Flam. Liq. (Category 2), H225. Eye Irrit. 2 - H319, STOT SE 3 - H336		

<b>Acrylates Copolymer</b> CAS number: 26062-56-6	EC number: Not available	5-10% REACH registration number: Not available
<b>Classification</b> Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.		

## SECTION 4: Composition/information on ingredients

### 4.1. Description of first aid measures

<b>General information</b>	Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Call a poison centre or doctor/physician if you feel unwell. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Remove any dentures. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
<b>Skin contact</b>	It is important to remove the substance from the skin or hair immediately. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognised skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses, if present and easy to do, and open eyelids wide apart. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>General information</b>	See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	A single exposure may cause respiratory irritation. Overexposure by inhalation may cause the following adverse effects: CNS depression- drowsiness, dizziness, headache, confusion or loss of coordination. Narcotic effect.
<b>Ingestion</b>	May cause sensitisation or allergic reactions in sensitive individuals. Due to the physical nature of this product, it is unlikely that ingestion will occur.

<b>Skin contact</b>	May cause skin sensitisation or allergic reactions in sensitive individuals. Repeated exposure may cause skin dryness or cracking.
<b>Eye contact</b>	Causes serious eye irritation

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Notes for the doctor** Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

**Special treatments to be dispensed immediately** Move the affected person to a well-ventilated area, evaluate vital signs and make sure there is no trauma. If there is no pulse provide cardiopulmonary rehabilitation, if not breathing give artificial respiration; if breathing is difficult, administer oxygen as much as possible.

### **SECTION 5: Firefighting measures**

#### **5.1. Extinguishing media**

**Suitable extinguishing media** The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide (CO<sub>2</sub>), dry chemical powder or water spray (fog). Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

#### **5.2. Special hazards arising from the substance or mixture**

**Specific hazards** Flammable. Vapours may form explosive mixtures with air.

**Hazardous combustion Products** Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

#### **5.3. Advice for firefighters**

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus pressure-demand (SCBA/MSHA/NIOSH or equivalent) and full protective gear. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** No action shall be taken without appropriate training or involving any personal risk. Keep unnecessary and unprotected personnel away from the spillage. Wear protective clothing as described in Section 8 of this safety data sheet. Follow precautions for safe handling described in this safety data sheet. Wash thoroughly after dealing with a spillage. Ensure procedures and training for emergency decontamination and disposal are in place. Do not touch or walk into spilled material. Evacuate area. Isolate hazard area. Provide adequate ventilation. ELIMINATE all ignition sources near spillage (no smoking, flares, sparks, flames or other sources of ignition in immediate area). Promptly remove any clothing that becomes contaminated. Avoid contact with skin and eye.

### **6.2. Environmental precautions**

**Environmental precautions** Large Spillages: Inform the relevant authorities if environmental pollution occur keeping away from sewers, waterways, soil or air. See Section 12 for additional Ecological Information. See Section 13, Disposal Considerations, for additional information.

### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Wear protective clothing as described in Section 8 of this SDS. Provide adequate ventilation to the area. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so, until the spilled liquid has evaporated. Approach the spillage from upwind. Prevent further leakage or spillage if safe to do so. If liquid containers are ruptured, care should be taken due to the rapid escape of the liquid contents. Small Spillages: Wipe up with an absorbent cloth and dispose of waste safely. Large Spillages: Build protective barriers to confine the spillage and close drains to avert to prevent uncontrolled fluid spillage of contaminants. The product is soluble in water, dilute the spillage with water and mop it up. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Keep in suitable, closed containers for disposal. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### **6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Avoid exposing liquid containers to high temperatures or direct sunlight. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers. Do not spill on an open flame or other ignition source. Do not pierce or burn, even after use. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Liquid will evaporate and cool rapidly and may cause frostbite or cold burns if in contact with skin. Wash face, hands, and any exposed skin thoroughly after handling. Avoid contact with eyes. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area.
<b>Advice on general occupational hygiene</b>	Wash promptly if skin becomes contaminated. Take off contaminated clothing, and wash before reuse. Do not eat, drink or smoke when using this product. Wash at the end of each work shift and before eating, smoking and using the toilet. Change work clothing daily before leaving workplace.

### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store away from ignition sources and incompatible materials (see Section 10). Store in accordance with local regulations. Keep away from strong oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed and store in a cool, dry and well-ventilated place. Keep containers upright. Protect containers from damage. Protect from sunlight. Do not store near heat sources or expose to high temperatures. Do not expose to temperatures exceeding 50°C/122°F. Bund storage facilities to prevent soil and water pollution in the event of spillage. The storage area floor should be leak-tight, jointless and not absorbent.
<b>Storage class</b>	Chemical storage.

### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Threshold Limit Value (TLV)

Substance	TLV- TWA		TLV- STEL		BLV
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
<b>Isopropyl Alcohol</b> (CAS No: 67-63-0)	200	500	200	500	Acetone: 40mg/L urine (end of weekend)
<b>Acrylates Copolymer</b> (CAS No: 26062-56-6)	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.				

TWA = Time Weighted Average (8-hour)

STEL = The short-term exposure limit (15-minute)

BLV = Biological Limit Value

#### Derived No-Effect Level (DNEL) and Predicted No-Effect Concentration (PNEC).

Substance	Basis	Control Parameters					
		Workers			Consumers		
Isopropyl Alcohol	DNEL	Oral	Not applicable			26 mg/kg bw/day	
		Inhalation	500 mg/m <sup>3</sup>			89 mg/m <sup>3</sup>	
		Dermal	888 mg/kg bw/day			319 mg/kg bw/day	
	PNEC	Water	Air	Soil	Microbiological	Sediment	Oral
		140.9 mg/L	No data	28 mg/Kg	2251 mg/L	552 mg/Kg	160 (mg/kg food)
Acrylates Copolymer	DNEL	Not available					
	PNEC	Not available					

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering Controls** Apply technical measures to comply with the occupational exposure limits as well as eyewash stations and showers. Provide adequate ventilation. Personal, workplace environment or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Use process enclosures, local exhaust ventilation or other engineering controls as the primary means to minimise worker exposure. Personal protective equipment should only be used if worker exposure cannot be controlled adequately by the engineering control measures. Ensure control measures are regularly inspected and maintained. Ensure operatives are trained to minimise exposure.



<b>Eye/face protection</b>	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166. Wear tight-fitting, chemical anti-splash safety goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with European Standard EN374. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
<b>Other skin and body Protection</b>	Gloves with chemical resistance according to EN 374. Appropriate footwear and additional protective clothing complying with an approved standard should be worn if a risk assessment indicates skin contamination is possible.
<b>Hygiene measures</b>	Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Clean equipment and the work area every day. Good personal hygiene procedures should be implemented. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke. Preventive industrial medical examinations should be carried out. Warn cleaning personnel of any hazardous properties of the product.
<b>Respiratory protection</b>	Respiratory protection complying with an approved standard should be worn if a risk assessment indicates inhalation of contaminants is possible. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387. Full face mask respirators with replaceable filter cartridges should comply with European Standard EN136. Half mask and quarter mask respirators with replaceable filter cartridges should comply with European Standard EN140. Ensure adequate ventilation, especially in confined areas
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	liquid.
<b>Colour</b>	transparent liquid.
<b>Odour</b>	Not available.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point</b>	-88 °C / -127 °F
<b>Initial boiling point and range</b>	82 °C 180 °F
<b>Flash point</b>	11 °C / 53 °F (Closed cup).
<b>Evaporation rate</b>	1.4 vs butyl acetate
<b>Evaporation factor</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	12%/2%.
<b>Vapour pressure</b>	32 mmHg (20°C)
<b>Vapour density</b>	2.1 vs air
<b>Relative density</b>	0.83 (25°C)
<b>Solubility(ies)</b>	Not available.
<b>Partition coefficient n-octanol/water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** Not reactive under normal conditions.

### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures (-40°C to 40°C) and when used as recommended. Stable under the prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react strongly with the product: Oxidising agents.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid exposing liquid containers to high temperatures, flames, sparks or direct sunlight. Take measures to prevent the build-up of electrostatic charges. Keep out of reach of children.

### 10.5. Incompatible materials

**Materials to avoid** Strong oxidizing agents.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended. Thermal decomposition products may include Harmful gases or vapours.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Animal data** Based on available data the classification criteria are not met.

#### Serious eye damage

**Serious eye damage** Scientifically unjustified study. Causes serious eye irritation.

#### Respiratory/Skin sensitisation

**Respiratory sensitisation** May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Skin sensitisation** May cause skin sensitisation or allergic reactions in sensitive individuals.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

**IARC carcinogenicity** Contains a substance which may be potentially carcinogenic. Isopropyl Alcohol is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". Isopropyl Alcohol is classified as an IARC Group 1 chemical only when manufactured by the strong-acid process. The IPA used in this product is not manufactured by the strong-acid process and is therefore not classifiable as a human

**Reproductive toxicity**

**Reproductive toxicity and fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - single exposure**

**STOT - single exposure** STOT SE 3 - H336 May cause drowsiness or dizziness.

**Target organs** Central nervous system

**Specific Target Organ Toxicity (STOT) - repeated exposure**

**STOT repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

**Aspiration hazard**

**Aspiration hazard** Based on available data the classification criteria are not met.

**General information** The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation** A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.

**Ingestion** May cause sensitisation or allergic reactions in sensitive individuals. Due to the physical nature of this product, it is unlikely that ingestion will occur.

**Skin contact** May cause skin sensitisation or allergic reactions in sensitive individuals. Repeated exposure may cause skin dryness or cracking.

**Eye contact** Irritating to eyes.

**Route of entry** Ingestion Inhalation Skin and/or eye contact

**Target organs** Central nervous system

**Medical considerations** Skin disorders and allergies.

**Component Information**

**Acute toxicity:**

Chemical Name	Oral LD <sub>50</sub> mg/kg	Dermal LD <sub>50</sub> mg/kg	Inhalation LC <sub>50</sub> mg/L
Isopropyl Alcohol	5840 (Rat)	12800 (Rat) and 12870 (Rabbit)	37.5 (Rat) 4 h

## Isopropyl Alcohol

### Skin corrosion/irritation

**Animal data** No skin irritation - 4 h (Rabbit)

### Serious eye damage

**Serious eye damage** Dose: 0.1 mL, 1 second, Rabbit Causes serious eye irritation.

### Respiratory/Skin sensitisation

**Respiratory sensitisation** May cause irritation of respiratory tract. May cause drowsiness or dizziness.

**Skin sensitisation** Buehler test - Guinea pig: Not sensitising.

### Germ cell mutagenicity

**Genotoxicity - in vitro** Ames test Salmonella typhimurium: Negative

Mammalian cell gene mutation test Chinese hamster ovary cells: Negative

**Genotoxicity - in vivo** Mouse - male and female - Bone marrow: Negative

### Carcinogenicity

**Carcinogenicity** This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

**IARC carcinogenicity** IARC Group 3 Not classifiable as to its carcinogenicity to humans. No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

### Reproductive toxicity

**Reproductive toxicity and fertility** Based on available data the classification criteria are not met.

**Reproductive toxicity - development** Based on available data the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) - single exposure

**STOT - single exposure** STOT SE 3 - H336 May cause drowsiness or dizziness.

**Target organs** Central nervous system

### Specific Target Organ Toxicity (STOT) - repeated exposure

**STOT repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Based on available data the classification criteria are not met.

## SECTION 12: Ecological Information

**Ecotoxicity** Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

### 12.1. Toxicity

**Toxicity** Based on available data the classification criteria are not met.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Isopropyl Alcohol 67-63-0	EC <sub>50</sub> , 7 days: 1800 mg/l, Scenedesmus quadricauda LC <sub>50</sub> - Desmodesmus subspicatus (green algae) -> 1,000 mg/l - 72h	LC <sub>50</sub> , 96 hours: 9,640 mg/l, Pimephales promelas (Fat head Minnow)	EC5 - Pseudomonas putida - 1,050 mg/l - 16 h	EC <sub>50</sub> , 48 hours: 13,299 mg/l, Daphnia magna (Water Flea) LC <sub>50</sub> , 24 hours: >10000 mg/l, Daphnia magna

## **12.2. Persistence and degradability**

**Persistence and degradability** The degradability of the product is not known.

### **Isopropyl Alcohol**

**Persistence and degradability** The substance is readily biodegradable.

**Biodegradation** Aerobic - Exposure time 5 d. Result: 53 % - Readily biodegradable.  
(Directive 67/548/EEC, Annex V, C.6)

**Biological oxygen demand** 1.19-1.72 g O<sub>2</sub>/g substance

**Chemical oxygen Demand** 2.23 g O<sub>2</sub>/g substance

**Ratio BOD/ThBOD** 49%

## **12.3. Bioaccumulative potential**

**Bioaccumulative potential** No bioaccumulation is to be expected (log Pow <= 4).

**Partition coefficient** Isopropyl Alcohol: 0.05

## **12.4. Mobility in soil**

**Mobility** The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces

## **12.5. Results of PBT and vPvB assessment**

### **Isopropyl Alcohol**

**Results of PBT and vPvB Assessment** This substance is not classified as PBT or vPvB according to current EU criteria. (annex XIII of the REACH regulations). This substance contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher

## **12.6. Other adverse effects**

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Do not empty into drains. Empty containers must not be punctured or incinerated because of the risk of fire. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents.

## SECTION 14: Transport information

**General** For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section. Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### 14.1. UN number

UN No. (ADR/RID)	UN1219
UN No. (IMDG)	UN1219
UN No. (ICAO)	UN1219
UN No. (ADN)	UN1219

### 14.2. UN proper shipping name

<b>Proper shipping name (ADR/RID)</b>	Isopropyl alcohol solution
<b>Proper shipping name (IMDG)</b>	Isopropyl alcohol solution
<b>Proper shipping name (ICAO)</b>	Isopropyl alcohol solution
<b>Proper shipping name (ADN)</b>	Isopropyl alcohol solution

### **14.3. Transport hazard class(es)**

ADR/RID class	3
ADR/RID classification code	1F
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### **Transport labels**



### **14.4. Packing group**

ADR/RID packing group	II
IMDG packing group	II
ADN packing group	II
ICAO packing group	II

### **14.5. Environmental hazards**

#### **Environmentally hazardous substance/marine pollutant**

No.

### **14.6. Special precautions for user**

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. Cosmetic products prepared for use, manufactured and placed in containers or packaging intended for retail sale or distribution for personal or family use, will not be subject to the provisions of the ADR

EmS Fire	F-E
EmS Spill	S-D
ADR transport category	2
Tunnel restriction code	(D/E)

### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.
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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>EU legislation</b>	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Council Directive of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers (75/324/EEC) (as amended).
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### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

#### Inventories

##### **EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). EC <sub>50</sub> : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. Eye Irrit. = Eye irritation Skin Sens. = Skin sensitisation STOT SE = Specific target organ toxicity-single exposure
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<b>SDS number</b>	LH 012

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## ANNEX TO THE EXTENDED SAFETY DATA SHEET

### Identification of the substance or mixture

**Product definition** Mixture  
**Code** LH 012  
**Product name:** Scalp Protector Spray

### Section 1 - Title

**Short title of the Exposure Scenario** [200-662-2] Use in cosmetics and personal care products - Consumer

**List of use descriptors:** **Identified use name:** Uses Cosmetics, personal care products – Consumer  
**Substance supplied to that use in form of:** As such  
**Subsequent service life relevant for that use:** No.  
**Sector of end use:** SU21  
**Market sector by type of chemical product:** PC39  
**Process Categories:** PROC11  
**Environmental Release category:** ERC8a  
**Article category related to subsequent service life:** Not applicable.

**Environmental contributing scenarios:**

**Health Contributing Scenarios:**

**Processes and activities covered by the exposure scenario** Covers general exposures to consumers arising from the use of hair care products sold as solvent and glue removers cleaning products.

### Section 2 - Exposure controls

#### Contributing scenario controlling environmental exposure for Professionals:

**Product characteristics:** Substance is a unique structure. Readily biodegradable

**Amounts used:** 500Kg (Annual)

**Frequency and duration of use** Emission days 365

**Other conditions affecting environmental exposure** Indoor or outdoor use

#### Contributing scenario controlling consumer exposure for Consumers:

**Physical state** liquid - Vapor pressure 42.7hPa (20°C)

**Amounts Used** Unless otherwise stated Covers use up to 2 g.  
Covers skin contact area up to 80 cm<sup>2</sup>

<b>Frequency and duration of use</b>	Unless otherwise stated Covers use up to 1 application per day with a maximum use of twice a week. Covers daily exposures up to 30 seconds
<b>Other given operational conditions affecting exposure</b>	Unless otherwise stated Assumes activities are at ambient temperature (unless stated differently). - Covers use in <b>consumers</b> room size of 15m <sup>3</sup> - Provide adequate ventilation.
	<b>Product category(ies) - Operational conditions and risk management measures.</b>

### Section 3 - Exposure estimation and reference to its source

**Website:** Not applicable

#### Exposure estimation and reference to its source - Professionals:

**Exposure assessment: (environment):** Not available

**EXPOSURE ESTIMATION: AND REFERENCE TO ITS SOURCE** Not available

#### Exposure estimation and reference to its source - Consumers:

**Exposure assessment: (environment):** Not available

**EXPOSURE ESTIMATION: AND REFERENCE TO ITS SOURCE** Predicted exposures are not expected to exceed the applicable **AND** consumer reference values when the operational conditions/risk **SOURCE** management measures given in section 2 are implemented

### Section 4 - Guidance to evaluate whether he works inside the boundaries set by the ES

**Environment:** Guidance is based on assumed operating conditions which may not be applicable to all sites; thus, scaling may be necessary to define appropriate site-specific risk management measures.

**Health:** Predicted exposures are not expected to exceed the DNEL when the risk management measures/operational conditions outlined in section 2 are implemented. - Available hazard data do not enable the derivation of a DNEL for dermal irritant effects. - Risk management measures are based on qualitative risk characterisation. - Where other risk management measures/operational conditions are adopted, then users should ensure that risks are managed to at least equivalent levels.

#### Additional good practice advice beyond the REACH CSA

**Environment:** Not available

**Health:** Not available