SAFETY DATA SHEET

6. DRY SHAMPOO – AEROSOL -UN1950

Date of Issue: 1st May 2022
Supersedes: N/A

1. Identification of Material and Supplier

Product Identifier: 6. DRY SHAMPOO – AEROSOL -UN1950
Other Means of Identification:
Aerosols Class 2.1.
Recommended Use/Product Type:
Cosmetic hair product to cleanse hair without water.

AUSTRALIA
Suppliers Details: L'Oréal Australia Pty Ltd.
Address: 564 St Kilda Road.
Melbourne VIC 3004 Australia.
Telephone Number: (03) 8680 0000 (8am–6pm Mon to Fri).
Fax Number: 61 3 8680 0009.
Emergency Telephone Number (Must be a 24 Hour Number):
(03) 8680 0800 (8am–6pm Mon to Fri).
(03) 8680 0866 (9am–5pm Mon to Fri).
0411 077 273 (After Hours).
Australian Poisons Information Centre:
13 1126.
Email Address of the Person Responsible for this SDS:
sandor.berta@loreal.com.

NEW ZEALAND
Suppliers Details: L'Oréal New Zealand.
Address: Building 8, 9 Manu Street,
Othahuhu, Auckland 2024 New Zealand.
Telephone Number: +64 21 962 098 or +64 9583 4160 (8am–6pm Mon to Fri)
Fax Number: +64 9583 4188.
Emergency Telephone Number (Must be a 24 Hour Number):
+64 21 962 098 or +64 21245 1758 (8am–6pm Mon to Fri)
+64 21 962 098 (After Hours).
New Zealand Poisons Information Centre:
0800 764766.
Email Address of the Person Responsible for this SDS:
Miu.TUALA@loreal.com Or Pieter.duplooy@loreal.com

2. Hazard Identification

Hazard Classification: This product is classified as Hazardous according to the criteria of Safe Work Australia. Also classified as Dangerous Goods Class 3 Flammable Liquid according to the criteria of ADG Code 7.7 Edition.

NEW ZEALAND
Hazard Classification: This material is classified as a dangerous good according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.
This material is classified as hazardous according to criteria

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in the Hazardous Substances (Hazard Classification) Notice 2020.

NZ HSNO Classification*:* Category 2.1.2A Flammable Aerosol.
Category 6.1D Acute Toxicity- Oral.
Category 6.4- Eye Irritant.
Category 9.1D Harmful to the aquatic environment.

BOTH COUNTRIES

GHS Classification of the substance or mixture:
Flammable Aerosol- Category 1.
Acute Toxicity- Category 4.
Serious Eye Damage/Eye Irritation- Category 2A.
Specific Target Organ Toxicity- Repeated Exposure Category 3.
Acute Aquatic Toxicity- Category 3.
Chronic Aquatic Toxicity- Category 3.

Allocation of Label Elements:

Pictograms:



GHS Signal word: **DANGER**

GHS Hazard statements:
H222: Extremely flammable aerosol.
H229: Pressurized container: may burst if heated
H302: Harmful if swallowed.
H319: Causes serious eye irritation.
H336: May cause drowsiness and dizziness.
H402: Harmful to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

Precautionary statement(s):

General
P101: If medical advice is needed, have product container or label on hand.
P102: Keep out of reach of children.
P103: Read label before use.
P104: Read Safety Data Sheet before use.

Prevention
P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking.
P211: Do not spray on an open flame or other ignition source
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ ventilating/ lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P251: Do not pierce or burn, even after use.
P260: Do not breathe dust /fumes /gas /mist /vapours /spray.
P264: Wash hands thoroughly after use.

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	P270: Do not eat drink, or smoke when using this product. P273: Avoid release to the environment. P280: Wear eye and face protection.
Response	P301 + P312: IF SWALLOWED: Call a POISON CENTRE or Doctor if you feel unwell. P305 + P351 + P338: IF IN EYES. Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do. Continue rinsing. P330: If in mouth rinse with water. P337 + P313: If eye irritation persists: Get medical advice/ attention.
Storage	P410 + P412: Protect from sunlight. Do not expose temperatures exceeding 50°C.
Disposal	P501: Dispose of contents/ container to an approved waste disposal plant in accordance with Local/ regional/ national/ international regulations
Other Hazards	Not Specified.

3. Composition/Information on Ingredients

Component/Substance	CAS Number	% by Weight	Hazardous Substance Classification
Ethanol	64-17-5	≤55	H226, H319
Propane	74-98-6	<30	H220, H280
Isobutane	75-28-5	>60	H220, H280
Other ingredients determined not to be hazardous		To 100	Not classified

4. First Aid Measures

General Advice:	If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131126 from anywhere in Australia.
Eye:	Rinse abundantly under flowing water for at least 15 minutes. If irritation develops seek medical attention. Splashes in the eye may cause immediate stinging and tears. Transient redness of the eye may also occur.
Skin:	In case of skin contact, if irritation develops immediately wash off with plenty of water for at least 15 minutes. If irritation persists seek medical attention immediately.
Inhalation:	If symptoms are experienced, remove source of contamination and move victim to fresh air immediately. If symptoms persist, seek medical attention. At relatively high vapour concentrations ethyl alcohol is an irritant to the nose and throat and may cause central nervous system depression.
Ingestion:	Rinse mouth with water. If swallowed do not induce vomiting. Give one or two glasses of water or milk to drink. Seek

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medical attention immediately. May cause irritation of the gastrointestinal tract. Depression of the central nervous system may result in headache or dizziness.

Advice to Doctor: Treat symptomatically. If in eyes recheck after one week.

5. Fire Fighting Measures

Suitable Extinguishing Media:

Highly Flammable. In case of fire, all extinguishing media are. suitable. For safety reasons do not use strong water jets.

Hazards from Combustion Products:

May produce toxic fumes of carbon oxides.

Precautions for Fire Fighters and Special Protective Equipment:

If in the event of fire wear self-contained breathing apparatus. Use personal protective equipment. Keep containers cool with water spray. Closed containers may rupture when exposed to temperatures greater than 50°C. Vapour is heavier than air, distant ignition sources possible.

Hazchem Code: 2YE.

6. Accidental Release Measures

Emergency Procedures: UN 1950. Wear appropriate protective equipment. Spills will be slippery and highly flammable.

Methods and Materials for Containment and Clean Up Procedures:

Remove possible leaking containers. Remove all sources and ventilate area. Dilute small spills with water. For larger spills, wear protective equipment, dilute with water and absorb in inert material (sand or vermiculate). Shovel material into a suitable container and seal it. Wash the spill area with mild detergent to remove residue. Dispose of material in compliance with federal state and local regulations. Do not allow the material to enter drains or waterways.

7. Handling and Storage

Precautions for Safe Handling:

This product is a Class 2.1 Flammable Aerosol and should be transported and stored according to Dangerous Goods Regulations, Codes and Standards. Gloves (vinyl, rubber, plastic) may be worn when handling this material. Keep away from heat, flames or ignition source. Do not eat, drink or smoke in handling areas. Remove contaminated clothing and wash hands before eating.

Conditions for Safe Storage:

Store product upright in a cool place and out of direct sunlight. Store away from alkalis, corrosive and oxidising products. Use good personal hygiene practices. Store in accordance with Dangerous Goods Regulations and transport in accordance with ADG Code for Dangerous Goods Class 2.1.

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8. Exposure Controls/Personal Protection

National Exposure Standards[1,2,3]:

Chemical Name	*CAS No.*	*TWA (ppm)*	*TWA (mg/m^3)*	*STEL (ppm)*	*STEL (mg/m^3)*
Ethanol [1,2,3]	64-17-5	1000	1880[1,2] or 1900[3]	-	-
Propane[3]	74-98-6	1000	1800	-	-
Isobutane[1,2]	75-28-5	800	1900	1000	-

TWA = Time-weighted average exposure standard.
STEL = Short term exposure limit standard.

1. Safe Work Australia. Exposure Standards for Atmospheric Contaminants (2019). See: https://www.safeworkaustralia.gov.au/doc/workplace-exposure-standards-airborne-contaminants-2019
2. Worksafe New Zealand. Workplace Exposure Standards and Biological Exposure Indices. (2022). See: https://www.worksafe.govt.nz/topic-and-industry/monitoring/exposure-standards-and-biological-exposure-indices/
3. US. NIOSH: Pocket Guide to Chemical Hazards Components See: https://www.cdc.gov/niosh/npg/default.html

Biological Limit Values: No Biological limit allocated.

Engineering Controls: Use in a well-ventilated area. Maintain air concentrations below exposure standards.
New Zealand: Hazard indication 2 is required but other signage recommended:



Personal Protective Equipment:

If ventilation is insufficient, a suitable respirator should be worn. When handling bulk quantities gloves (vinyl, plastic or rubber) shoud be worn when handling this product. It is recommended that protective clothing is worn e.g. aprons (vinyl, plastic or rubber) and safety shoes. Eye protection in the form of tightly fitting safety goggles and/or face shield should be worn.



9. Physical and Chemical Properties

Appearance:	Yellow or colourless liquid and propellant gas in an aerosol container
Odour:	Characteristic odour.
pH:	Not determined.
Boiling Point (ºC):	-12 °C (Butane).
Vapour Pressure:	240 kPa @ 16°C (butane)
Specific Gravity:	Not determined.

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Flashpoint (ºC):	-60°C (butane).
Flammability Limits:	Highly flammable.
Solubility in Water:	Miscible.

10. Stability and Reactivity

Chemical Stability:	Stable under normal conditions of handling, use and transportation.
Conditions to Avoid:	Avoid heat and sources of ignition.
Incompatible Materials:	Keep away from alkalis and corrosive substances.
Hazardous Decomposition Products:	Decomposition not known to occur.
Hazardous Reactions:	None known.

11. Toxicological Information

Inhalation:	Prolonged inhalation may be harmful.
Skin contact:	No adverse effects due to skin contact are expected.
Eye contact:	Causes serious eye irritation.
Ingestion:	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics:	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Components	Species	Test Results
Acute Toxicity		
PRODUCT		
Acute Dermal:	ATEmix	518500 mg/kg
Acute Oral:	ATEmix	319600 mg/kg
ETHANOL (CAS 64-17-5)		
Acute Dermal:	Rabbit	LD50 > 20000 mg/kg
Inhalation-Vapor:	OECD 403 Rat	LC50 124.7 mg/l, 4h
Oral:	OECD 401 Rat	LD50 10470 mg/kg

Skin corrosion/irritation:

PRODUCT	Due to partial or complete lack of data the classification is not possible. No adverse effects due to skin contact are expected.	
ETHANOL (CAS 64-17-5)		
Irritation corrosion- skin:	OECD 404 Rabbit	Not Irritating

Serious eye damage/eye irritation:

PRODUCT	Causes serious eye irritation.	
ETHANOL (CAS 64-17-5)		
Irritation Corrosion – Eye:	OECD 405 Rabbit	Irritating

Respiratory or skin sensitization:

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Respiratory sensitization: Due to partial or complete lack of data the classification is not possible.

Skin sensitization:

PRODUCT Due to partial or complete lack of data the classification is not possible.

ETHANOL (CAS 64-17-5)

Skin sensitization: OECD 406 Guinea pig Not Sensitizing

Mutagenicity

PRODUCT

Germ cell mutagenicity: Due to partial or complete lack of data the classification is not possible.

ETHANOL (CAS 64-17-5)

Mutagenicity: In vitro and in vivo tests did not show mutagenic effects.

Carcinogenicity

PRODUCT

Carcinogenicity: Not classifiable as to carcinogenicity to humans. Due to partial or complete lack of data the classification is not possible.

IARC Monographs: Overall Evaluation of Carcinogenicity
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052):
Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens:
Not listed.

Reproductive toxicity

PRODUCT Possible reproductive hazard.

ETHANOL (CAS 64-17-5)

Developmental effects: OECD 414 Rat NOAEL > 20000 ppm

ETHANOL (CAS 64-17-5)

Reproductivity: OECD 416 Rat NOAEL 20700 mg/kg bw/d

Specific target organ toxicity - single exposure

PRODUCT Due to partial or complete lack of data the classification is not possible.

Specific target organ toxicity - repeated exposure

P**RODUCT** Due to partial or complete lack of data the classification is not possible.

ETHANOL (CAS 64-17-5)

Repeated Dose 90 Day Oral Toxicity:
OECD 408 Rat NOAEL 1730 mg/kg bw/d

Aspiration hazard:

PRODUCT Due to partial or complete lack of data the classification is not possible.

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Further information: The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

12. Ecological Information

Ecotoxicity:

PRODUCT The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
ETHANOL (CAS 64-17-5)		
Aquatic Toxicity:		
Acute		
Algae:	Pseudokirchneriella subcapitata	EC50 22200 mg/l, 96 h
Crustacea:	Ceriodaphnia dubia	EC50 5012 mg/l, 48 h
Fish:	Pimephales promelas	LC50 15300 mg/l, 96 h
Other:	Activated sludge of a predominantly domestic sewage	IC50 > 1000 mg/l, 3 h
Chronic		
Crustacea:	Daphnia magna	NOEC 9.6 mg/l, 9 d
Fish:	OECD 212 Danio rerio	NOEC 250 mg/l, 120 h

Persistence and degradability:
Biodegradability:
Percent degradation (Aerobic biodegradation)

ETHANOL	84 % Readily Biodegradable Test Duration: 20 d

Bioaccumulative potential:
Partition coefficient n-octanol / water (log Kow)

ETHANOL	-0.31
PROPANE	2.36
ISOBUTANE	2.76

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal Considerations

Disposal Methods: Recover if possible and dispose of in accordance with local, State and Federal government regulations.

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Special Requirements for Landfill or Incineration:
Empty containers should be disposed of to landfill in domestic garbage collection. The local waste authority should be consulted prior to disposal of bulk quantities.

14. Transport Information

AUSTRALIA- ADG

UN Number: 1950.
UN Proper Shipping Name: AEROSOLS.
Class & Subsidiary Risk: Class 2.1 (Australia). 2.1 (New Zealand).
Packaging Group: -
Special Precautions: SP63, SP190, SP277, SP327, P003, LP-2, PP17, PP87, L2.
Hazchem Code: 2YE.

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Relevant Information. Hazard Class 2,
Display UN Classes 6 and 9 in documentation
Comply with land transport maximum package quantities.
Label outer packaging with UN Classes and product identification. Label risks toxic and eco-toxic.



IMDG

UN/ID No.: UN1950.
Proper shipping name: AEROSOLS.
Hazard class: 2.1.
Packing group: -
Special Precautions: SP63, SP190, SP277, SP327, SP959, E0, P003, LP02, PP17, PP87, L2.

ICAO/IATA

UN/ID No.: UN1950.
Proper shipping name: AEROSOLS.
Hazard class: 2.1
Packing group: -
Special Precautions: Check code.

15. Regulatory Information

AUSTRALIA

SUSMP: Not Scheduled.
Competition and Consumer Act:
Cosmetic ingredients must be labelled.
Industrial Chemicals Act: Ingredients are in the Australian Inventory of Industrial Chemicals (AIIC) and/or in compliance with the *Industrial Chemicals Act 2019* and the *Industrial Chemicals (General) Rules 2019.*

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Dangerous Goods Regulations:

Symbols are required for bulk storage and containers only and not on small packaged goods for consumers.



Risk phases are required for bulk storage and containers only.

Risk-phrase(s)

F+: Extremely Flammable.
N: Dangerous for the Environment.
Xn: Harmful.
Xi: Irritant.
R12: Extremely Flammable.
R22: Harmful if swallowed.
R36: Irritating to eyes.
R67: Vapours may cause drowsiness and dizziness.
Or combination risk phases as appropriate.

S-phrase(s)

S2: Keep out of the reach of children.
S7: Keep container tightly closed.
S9: Keep aerosol in a well ventilated area.
S16: Keep away from sources of ignition – no smoking.
S33: Take precautionary measures against ignition- No Smoking.
S46: If swallowed, seek medical advice immediately and show container or label.
S47: Keep at temperatures not exceeding 50°C.

Health & Safety at Work (Hazardous Substances) Regulations 2017:

HSNO Regulations: The HSNO Approval Number for this Group Standard is HSR002552 (Cosmetic Products Group Standard). Substances must comply with the Standard.

Identification and labelling Regulations:

Hazardous Substances (Hazard Classification) Notice 2020.
Consolidated Hazardous Substances (Labelling) Notice 2017.

Storage and handling: Consolidated Hazardous Substances (Hazardous Property Controls) Notice 2017.

Packaging Regulations: Consolidated Hazardous Substances (Packaging) Notice 2017.
Disposal Regulations: Consolidated Hazardous Substances (Disposal) Notice 2017.

Other Regulations or Notices:

Hazardous Substances (Forms and Information) Notice 2017
Consolidated Hazardous Substances (Safety Data Sheets) Notice 2017.
Consolidated Hazardous Substances (Importers and Manufacturers) Notice 2015.
Hazardous Substances (Amendments and Revocations) Notice 2020.
Hazardous Substances (Enforcement Officer Qualifications) Notice 2015.

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Tracking:	Not required under Consolidated Hazardous Substances (Hazardous Property Controls) Notice 2017.
Certified Handlers:	Required under Health and Safety at Work (Hazardous Substances) Regulations 2017.

16. Other Information

Date of Issue:	1st May 2022
Supersedes:	N/A
Version Number:	1.
Disclaimer:	The information contained in this SDS was compiled using the latest and most reliable information available. The information is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Similarly, no warranty, expressed or implied, shall be created by or inferred from any statement or omission from this SDS nor will L'Oréal assume any liability for any loss or damage arising out of the use of this information. It is solely the responsibility of the user to determine safe conditions for use of this product.

END OF SDS

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