

# SAFETY DATA SHEET

## SDS #117 HAIR COLORANTS PERMANENT AEROSOL 5% TO 10% MEA

Date of Issue: 28 November 2016 (Version 1).

Supersedes: -

### **1. Identification of Material and Supplier**

Product Identifier: L'Oréal Hair Colorants- Permanent Aerosol 5% TO 10%  
Monoethanolamine. Flammable and Corrosive.

Other Means of Identification:  
-

Recommended Use/Product Type:  
Cosmetic Hair Colorants- Permanent Aerosol 5% to 10%  
Monoethanolamine.

#### **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 MSDS:  
[samantha.hass@loreal.com](mailto:samantha.hass@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 MSDS:  
[Miu.TUALA@loreal.com](mailto:Miu.TUALA@loreal.com) Or [Pieter.duplooy@loreal.com](mailto:Pieter.duplooy@loreal.com)

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### 2. Hazard Identification

Hazard Classification: This product is classified as Hazardous according to the criteria of Safe Work Australia. Also classified as a Dangerous Goods Class 2.1 and Class 8 according to the criteria of ADG Code 7<sup>th</sup> Edition.

#### **NEW ZEALAND**

Hazard Classification: This material is classified as a dangerous good Class 2.1.2A and Class 8 according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land. This material is classified as hazardous according to criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001 and has been classified according to the Hazardous Substances (Classifications) Regulations 2001.

NZ HSNO Classification: Category 2.1.2 Flammable Aerosol.  
Category 6.1D- Acute Toxicity: Oral.  
Category 6.5B Skin Sensitiser.  
Category 6.9- Respiratory Tract Single Exposure.  
Category 6.9- Respiratory Tract Repeated Exposure.  
Category 6.9B- Respiratory Tract Irritant Single Exposure.  
Category 6.9B- Respiratory Tract Narcotic Repeated Exposure.  
Category 8.2C- Skin Corrosion/Irritation.  
Category 8.3A Serious Eye Damage / Eye Irritation.  
Category 9.1D- Ecotoxic to aquatic environment (Acute).  
Category 9.1B- Ecotoxic to aquatic environment (Chronic).

#### **BOTH COUNTRIES**

GHS Classification of the substance or mixture:  
Flammable Aerosol - Category 1.  
Acute Toxicity: Oral- Category 4.  
Eye Damage/Eye Irritation- Category 1.  
Skin Corrosion/Irritation- Category 1C.  
Specific Target Organ Toxicity Single Exposure-  
Category 2.  
Specific Target Organ Toxicity Repeated Exposure-  
Category 2.  
Specific Target Organ Toxicity Single Exposure-  
Category 2- Respiratory Tract Irritation.  
Specific Target Organ Toxicity Repeated Exposure-  
Category 2 - Respiratory Tract Narcotic.  
Acute Aquatic Toxicity- Category 2.

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Chronic Aquatic Toxicity- Category 2.

Allocation of Label Elements:

Pictograms:



GHS Signal word: **DANGER**

GHS Hazard statements: H222: Extreme flammable aerosol.  
H302: harmful if swallowed.  
H314: Causes severe skin burns and eye damage.  
H317: May cause and allergic skin reaction.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.  
H371: May cause damage to organs.  
H373: May cause damage to organs through prolonged use or repeated exposure.  
H401: Toxic to aquatic life.  
H411: Toxic 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 P233: Keep container tightly closed. 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 and face thoroughly after use. P270: Do not eat drink or smoke when using this product. P271: Use only outdoors or in a well ventilated area.

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Response	<p>P272: Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273: Avoid release to the environment.</p> <p>P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301 + P312 + P330 + P331: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.</p> <p>P302 + P352: IF ON SKIN: Wash with plenty of water.</p> <p>P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.</p> <p>P304 + P340: IF INHALED: remove person to fresh air and keep comfortable for breathing.</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P308 + P311: If exposed or concerned call a POISON CENTRE.</p> <p>P312: Call a POISON CENTRE or doctor if you fell unwell.</p> <p>P330: Rinse Mouth.</p> <p>P332 + P313: If skin irritation occurs: Get medical advice.</p> <p>P333 + P313: If skin irritation or rashes occurs: Get medical attention or advice.</p> <p>P337 + P313: If eye irritation persists: Get medical advice.</p> <p>P362 + P364: Take off contaminated clothing and wash it before reuse.</p> <p>P363: Wash contaminated clothing before reuse.</p> <p>P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.</p> <p>P377: Leaking gas fire. Do not extinguish, unless leak can be safely stopped. Use dry sand, dry chemical or alcohol-resistant foam for extinction.</p> <p>P381: Eliminate all ignition sources if safe to do so.</p> <p>P391: Collect spillage.</p>
Storage	<p>P403 + P233: Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405: Store locked up.</p> <p>P410 + P412: Protect from sunlight. Do not expose temperatures exceeding 50°C.</p>
Disposal	<p>P501: Dispose of contents/ container to an approved waste disposal plant in accordance with Local/ regional/ national/ international regulations.</p>
Other Hazards	<p>Not Specified.</p>

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### 3. Composition/Information on Ingredients

Component/Substance	CAS Number	% by Weight	Hazardous Substance Classification
Ethyl alcohol	64-17-5	If >55	H225, H319
		If 24 to ≤55	H226, H319
n-Butane	106-97-8	0 <30	H220, H280
Propane	74-98-6	<10	H220, H280
Isobutane	75-28-5	<10	H220, H280
Dimethyl Ether	115-10-6	0-60	H220, H280
Ammonium Hydroxide	1336-21-6	<10	H314, H400.
Isopropyl Alcohol	67-63-0	<60	H225, H315, H319, H336.
Ethanolamine	141-43-5	≤5	H314, H332, H312, H302.
Resorcinol	108-46-3	<10	H302, H319, H315, H400.
Toluene-2,5-Diamine Sulfate	615-50-9	<10	H332, H312, H317, H400, H410.
p-Aminophenol	123-30-8	<10	H332, H302, H400, H410, H371.
m-Aminophenol	591-27-5	<10	H332, H302, H400, H410.
p-Phenylenediamine	106-50-3	<10	H331, H310, H301, H319, H315, H400.
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.

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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 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:

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.

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

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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 Gases and a Class 8 Corrosive 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 and Class 8.

### 8. Exposure Controls/Personal Protection

#### National Exposure Standards<sup>1</sup>:

ES-TWA (NOHSC Australian Exposure Standards)<sup>1</sup>  
Workplace Exposure Standards (NZ OS&HS Dept of Labour)<sup>2</sup>

Chemical Name	CAS No.	TWA (ppm)	TWA (mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )
Ethyl Alcohol <sup>1,2</sup>	64-17-5	1000	1800	-	-
n-Butane <sup>1,2</sup>	106-97-8	800	1900	-	-
Propane <sup>1,2</sup>	74-98-6	*	*	*	*
Isobutane <sup>1,2</sup>	75-28-5	-	-	-	-
Dimethyl Ether <sup>1,2</sup>	115-10-6	400	760	500	950
Ammonium Hydroxide (as Ammonia) <sup>1,2</sup>	1336-21-6 7664-41-7	25	17	35	24
Isopropyl Alcohol <sup>1,2</sup>	67-63-0	400	983	500	1230
Monoethanolamine <sup>1,2</sup>	141-43-5	3	7.5	6	15
Resorcinol	108-46-3	10	45	20	90

\*Asphyxiant (18% minimum oxygen content of air)

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

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- 1 National Occupational Health and Safety Commission. Exposure Standards for Atmospheric Contaminants in the Occupational Environment. National Exposure Standards [NOHSC: 1003 (1995)]. May 1995.
- 2 Workplace Exposure Standards (NZ OS&HS Dept of Labour).

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 and 8 are 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) should 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: Coloured liquid and propellant gas in an aerosol container.  
Odour: Characteristic odour.  
pH: 5.0 to 11.7.  
Boiling Point (°C): -12 °C (Butane).  
Vapour Pressure: 240 kPa @ 16°C (butane)  
Specific Gravity: Not determined.  
Flashpoint (°C): -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.



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Conditions to Avoid: Avoid heat and sources of ignition.  
Incompatible Materials: Keep away from alkalis and corrosive substances.  
Hazardous Decomposition Products: Hazardous decomposition products formed under fire conditions. Decomposition not known to occur under recommended storage conditions.  
Hazardous Reactions: None known.

### **11. Toxicological Information**

Acute Oral Toxicity: Not Available. May cause dizziness, nausea, vomiting and/or CNS depression and loss of consciousness.  
Acute Dermal Toxicity: Not Available.  
Skin Irritation: Not Available. May cause skin irritation with prolonged exposure  
Skin Sensitisation: Not Available.  
Eye Irritation: Not Available. However splashes in the eye may cause stinging sensation and irritation and should be washed out with abundantly flowing water.  
Inhalation: Not Available. Breathing of vapours at high concentration may cause dizziness, nausea, vomiting and/or CNS depression and loss of consciousness.  
Other Information: Intentional misuse by deliberately concentrating and inhaling contents can be harmful or fatal. Chronic Health Effects have not been determined. There is no specific toxicological data on this product.

### **12. Ecological Information**

Eco Toxicity: Not Available. It would be prudent to avoid any direct release to sewer or receiving waters.  
Persistence and Degradability: Not Available.  
Mobility: Not Available.

### **13. Disposal Considerations**

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

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### 14. Transport Information

#### AUSTRALIA- ADG

UN Number: 1950.  
UN Proper Shipping Name: AEROSOLS.  
Class & Subsidiary Risk: Class 2.1 and Class 8 (Australia).  
Class 2.1.2 and Class 8 (New Zealand)  
Packaging Group: -  
Special Precautions: SP63, SP190, SP277, SP327, P003, LP-2, PP17, PP87, L2.  
Hazchem Code: 2YE.

#### NEW ZEALAND

Relevant Information. Hazard Class 2 and Class 8.  
Display UN Classes 2, 6, 8 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: Class 2.1 and Class 8.  
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: Class 2.1 and Class 8.  
Packing group: -  
Special Precautions: Check code.

### 15. Regulatory Information

#### AUSTRALIA

SUSMP: SCHEDULE 5 if monoethanolamine is >5.0% and ≤20%.  
SCHEDULE 5 if ammonia is >0.5%.  
FIRST AID (SUSMP): A For advice contact a Poisons Information Centre  
phone 131126 or a doctor at once.  
Competition and Consumer Act: Cosmetic ingredients must be labelled.

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Industrial Chemicals (Notification and Assessment) Act:

Ingredients are in the Australian Inventory of Chemical Substances or are covered by certificates, permits or exemptions in compliance with the *Industrial Chemicals (Notification and Assessment) Act 1989*.

### **NEW ZEALAND**

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 to the Environment.  
Xn: Harmful  
Xi: Irritant.  
R12: Extremely Flammable.  
R22: Harmful if swallowed.  
R34: Causes burns.  
R43: May cause sensitisation by skin contact.  
R48: Danger of serious damage to health by prolonged exposure  
R51: Toxic to aquatic life.  
R53: Toxic to aquatic life with long lasting effects.  
R67: Vapours may cause drowsiness or dizziness.  
R68: Possible risk of irreversible effects  
Or combination risk phases as appropriate.

S-phrase(s)

S2: Keep out of reach of children.  
S7: Keep container tightly closed.  
S9: Keep aerosol in a well ventilated area.  
S13: Keep away from food, drink and animal feeding stuffs.  
S16: Keep away from sources of ignition – no smoking.  
S23: Do not breathe gas/fumes/vapour/spray.  
S24: Avoid contact with skin.  
S25: Avoid contact with eyes.  
S26: In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.  
S33: Take precautionary measures against ignition- No Smoking.  
S46: If swallowed, seek medical advice immediately and show container or label.

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HSNO Regulations: S47: Keep at temperatures not exceeding 50°C.  
The HSNO Approval Number for this Group Standard is HSR002552 (Cosmetic Products Group Standard).  
Substances must comply with the Standard.  
Classes 2, 6, 8 and 9 of Control Regulations:  

- Regulations 11-27, 7, 8, 10, 32-45, 50-51, 55, 58, 59, 60-70, 81, 83, 84, 85.

Identification Regulations:  

- Regulations 6, 7, 11, 32-35, 36(1)-(7).
- Regulations 25, 29-31, 37-39, 47-50, 51, 52

Packaging Regulations:  

- Regulations 5, 6, 7(1), 8, 9, 11, 13
- Schedule 3

Disposal Regulations:  

- Regulations 6, 8, 9, 10, 11, 12, 13, 14

Emergency Management Regulations:  

- 6, 7, 9-11, 8a, 8c, 8e, 8f, 12-16, 18-29, 25-34, 35-41, 42

Tracking:  

- 4(1), 5, 6

Approved Handlers:  
Not applicable.

### **16. Other Information**

Date of Issue: 28 November 2016 (Version 1).  
Supersedes: -  
Version Number: 1  
Disclaimer: The information contained in this MSDS 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 MSDS 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***