

SAFETY DATA SHEET

SDS #132 HAIR COLORANTS PERMANENT 5% TO 10% CORROSIVE LIQUID N.O.S.

Date of Issue: 29 August 2019 (Version 2).
Supersedes: 9 July 2019 (Version 1).

1. Identification of Material and Supplier

Product Identifier: Hair Colorants- Permanent 5% to 10% Corrosive Liquid N.O.S.
(Ammonium Hydroxide, PEG-2 Oleamine and Ethanolamine).
Corrosive. Class 8.

Other Means of Identification:
-

Recommended Use/Product Type:
Cosmetic Hair Colorants- Permanent

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:
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 SDS:
Miu.TUALA@loreal.com Or Pieter.duplooy@loreal.com

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2. Hazard Identification

AUSTRALIA

Hazard Classification: This product is classified as Hazardous according to the criteria of Safe Work Australia. Also classified as a Dangerous Goods Class 8 according to the criteria of ADG Code 7.6 2018 Edition.

NEW ZEALAND

Hazard Classification: This material is classified as a dangerous good 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 3.1C Flammable
Category 6.1D- Acute Toxicity: Oral.
Category 6.1D- Acute Toxicity: Inhalation.
Category 6.5B Skin Sensitiser.
Category 6.9B- Oral//Skin Tract Single Exposure.
Category 6.9B- Oral/Skin Tract Repeated Exposure.
Category 6.1E- Respiratory Tract Irritant Single Exposure.
Category 8.2B- Skin Corrosion/Irritation.
Category 8.3A Serious Eye Damage / Eye Irritation.
Category 9.1A- Ecotoxic to aquatic environment (Acute).
Category 9.1B- Ecotoxic to aquatic environment (Chronic).

BOTH COUNTRIES

GHS Classification of the substance or mixture:
Flammable Liquids- Category 3.
Acute Toxicity: Oral- Category 4.
Acute Toxicity: Inhalation – Category 4
Eye Damage/Eye Irritation- Category 1.
Skin sensitisation- Category 1A.
Skin Corrosion/Irritation- Category 1B.
Specific Target Organ Toxicity Single Exposure-
Category 2.
Specific Target Organ Toxicity Repeated Exposure-
Category 2.
Specific Target Organ Toxicity Single Exposure-
Category 3- Respiratory Tract Irritation.
Acute Aquatic Toxicity- Category 1.
Chronic Aquatic Toxicity- Category 2.

Hazard Summary: May be ignited by heat, sparks or flames. Causes severe skin burns and eye damage. Harmful if swallowed. May

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cause irritation to the respiratory system. May cause an allergic skin reaction. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects. This is a consumer care product that is safe for consumers when used according to the label directions. Like many consumer products, a small number of individuals may experience reactions such as redness, rash and / or swelling upon prolonged or repeated skin contact or eye contact.

Allocation of Label Elements:

Pictograms:



GHS Signal word: **DANGER**

GHS Hazard statements: H226: Flammable liquid and vapour.
H302: harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes severe eye damage.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H371: May cause damage to organs.
H373: May cause damage to organs through prolonged use or repeated exposure.
H400: Very 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. P233: Keep container tightly closed. P235: Keep cool. 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

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	discharge.
	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.
	P272: Contaminated work clothing should not be allowed out of the workplace.
	P273: Avoid release to the environment.
	P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
Response	P301 + P312 + P330 + P331: IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
	P302 + P352: IF ON SKIN: Wash with plenty of water.
	P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
	P304 + P340: IF INHALED: remove person to fresh air and keep comfortable for breathing.
	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308 + P311: If exposed or concerned call a POISON CENTRE.
	P310: Immediately call a POISON CENTRE or doctor if in eyes.
	P330: Rinse Mouth.
	P332 + P313: If skin irritation occurs: Get medical advice.
	P333 + P313: If skin irritation or rashes occurs: Get medical attention or advice.
	P337 + P313: If eye irritation persists: Get medical advice.
	P362 + P364: Take off contaminated clothing and wash it before reuse.
	P363: Wash contaminated clothing before reuse.
	P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
	P391: Collect spillage.
Storage	P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
	P405: Store locked up.
Disposal	P501: Dispose of contents/ container to an approved waste disposal plant in accordance with Local/ regional/ national/ international regulations.
Other Hazards	Up to 10% of the mixture contains components of unknown acute hazards to the aquatic environment. Up to 35% of the mixture consists of components of unknown long term hazards to the aquatic environment.

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3. Composition/Information on Ingredients

Component/Substance	CAS Number	% by Weight	Hazardous Substance Classification
Water	7732-18-5	30-60	-
Hexylene Glycol	107-41-5	<10	H315, H319.
PEG-2 Oleamine	26635-93-8 or 25307-17-9	<10	H302, H314, H318, H410.
Ethanolamine	141-43-5	<10	H302, H312, H314, H332, H335.
Polyglyceryl-4 Oleyl Ether	9022-76-8		H411.
Ammonium Hydroxide	1336-21-6	<10	H302, H314, H318, H335, H400.
Trideceth-2 Carboxamide MEA	-	<10	H315, H319, H400, H411.
Ethyl alcohol	64-17-5	<10	H225, H319. Type I due to Exposure Standard
Polyglyceryl-2 Oleyl Ether	71032-90-1 or 9022-76-8	<10	H315, H319, H400, H412.
Sodium Diethylaminopropyl Cocoaspartamide	-	<10	H302, H312, H314, H317, H318, H373, H411.
p-Phenylenediamine	106-50-3	<10	H301, H311, H317, H319, H331, H410.
Toluene-2,5-Diamine	95-70-5	<10	H301, H312, H317, H318, H332, H411.
4-Amino-2-Hydroxytoluene	2835-95-2	<10	H317, H411.
2,4-Diaminophenoxythanol HCl.	66422-95-5	<10	H302, H317, H319, H411.
Resorcinol	108-46-3	<10	H302, H315, H317, H319, H370, H400, H412.
p-Aminophenol	123-30-8	<10	H302, H317, H332, H341, H400, H410.
m-Aminophenol	591-27-5	<10	H302, H317, H332, H411.
2-Methylresorcinol	608-25-3	<10	H301, H317, H318, H335, H400.
N,N-BIS-(2-Hydroxyethyl)-p-Phenylenediamine Sulfate	5431-16-7	<10	H302, H317, H319, H400.
Other ingredients determined not to be hazardous		To 100	Not classified

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4. First Aid Measures

General Advice:	If poisoning occurs contact a doctor or Poisons Information Centre. Phone 131126 from anywhere in Australia or 0800764766 in New Zealand or a doctor.
Eye:	Causes serious eye damage. 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:	Causes severe skin burns. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Prolonged may be harmful. 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:	May cause irritation to the respiratory system. 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 and ammonia is an irritant to the nose and throat and may cause central nervous system depression.
Ingestion:	Causes digestive tract burns. Harmful if swallowed. 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. Burning pain and severed corrosive skin damage. Causes severe eye irritation. Symptoms may include stinging, tearing, redness, swelling and blurred vision. Permanent eye damage including blindness could result. If in eyes recheck after one week. May cause respiratory irritation.

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

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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: HAZCHEM: 2X. HIN: 88/80.

6. Accidental Release Measures

Emergency Procedures: UN1760. Wear appropriate protective equipment. Spills will be slippery.

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 3 and Class 8 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 3 and Class 8.

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8. Exposure Controls/Personal Protection

National Exposure Standards¹:

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

Chemical Name	CAS No.	TWA (ppm)	TWA (mg/m ³)	STEL (ppm)	STEL (mg/m ³)
Ethyl Alcohol ^{1,2}	64-17-5	1000	1880	-	-
Ammonium Hydroxide (as Ammonia) ^{1,2}	1336-21-6 7664-41-7	25	17	35	24
Hexylene Glycol ^{1,2}	107-41-5	25 Peak Limitation	121 Peak Limitation		-
Monoethanolamine ^{1,2}	141-43-5	3	7.5	6	15
Resorcinol ^{1,2}	108-46-3	10	45	20	90
p-Phenylenediamine ^{1,2}	106-50-3	-	0.1	-	-

TWA = Time-weighted average exposure standard.

STEL = Short term exposure limit standard.

- 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 signage recommended but not required.



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.



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9. Physical and Chemical Properties

Appearance:	Clear coloured liquid.
Odour:	Characteristic odour.
pH:	5.0 to 11.7. Typical 10.5.
Boiling Point (°C):	Not determined. >100°C.
Vapour Pressure:	Not determined. kPa @ 25°C.
Specific Gravity:	850 to 1000 kg/m ³ @ 25°C.
Flashpoint (°C):	41°C. Closed cup
Flammability Limits:	Not determined.
Solubility in Water:	Not determined.

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:	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.
Acute Dermal Toxicity:	Not Available.
Skin Irritation:	Not Available.
Skin Sensitisation:	Not Available.
Eye Irritation:	Not Available.
Inhalation:	Not Available
Other Information:	Chronic Health Effects have not been determined.

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.

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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.

14. Transport Information

ROAD & RAIL

AUSTRALIA- AUSTRALIAN CODE FOR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL

NEW ZEALAND- LAND TRANSPORT RULES: DANGEROUS GOODS

UN Number: UN1760.

UN Proper Shipping Name: CORROSIVE LIQUID N.O.S. (Contains Ammonium Hydroxide and Amines, Liquids (Ethanolamine and PEG-2 Oleamine).

Class & Subsidiary Risk: Class 8

Packaging Group: II.

Special Precautions: SP274, E2, P001, IBC02, T11, TP2 and TP27.

Hazchem Code: 2X.



SEA-IMDG

UN Number: UN1760.

UN Proper Shipping Name: CORROSIVE LIQUID N.O.S. (Contains Ammonium Hydroxide and Amines, Liquids (Ethanolamine and PEG-2 Oleamine).

Hazard class: 8.

Packing group: II.

Special Precautions: SP274, E2, P001, IBC02, T11, TP2 AND TP27.

AIR-ICAO/IATA

UN Number: UN1760.

UN Proper Shipping Name: CORROSIVE LIQUID N.O.S. (Contains Ammonium Hydroxide and Amines, Liquids (Ethanolamine and PEG-2 Oleamine).

Hazard class: 8.

Packing group: 11..

Special Precautions: Not Available.

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15. Regulatory Information

AUSTRALIA

SUSMP: SCHEDULE 5 if Ethanolamine is >5.0% and ≤20%.
SCHEDULE 5 if Ammonia is >0.5%.

FIRST AID (SUSMP): A For advice contact a Poisons Information Centre phone Australia 131126 and New Zealand 080076466 or a doctor at once.

Competition and Consumer Act 2010: Cosmetic claims must not be deceptive or misleading must

Trade Practices (Consumer Products Information Standards)Cosmetics Regulations 1991. Ingredients must be labelled.

Industrial Chemicals (Notification and Assessment) Act 1989: 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:
Flammable products whose flash points are above 35°C and do not sustain combustion are not dangerous goods for land transport in NZ (Land Transport Rule/ NZS 5433: 2012 Transport of Dangerous Goods on Land. Table A page 79.)

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) C: Corrosive.
F: Flammable.
N: Dangerous to the Environment.
Xn: Harmful.
Xi: Irritant.
R10: Flammable.
R20: Harmful by inhalation.
R22: Harmful if swallowed.

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	R34: Causes severe skin burns and eye damage. R37: Irritating to respiratory system. R41: Risk of serious damage to eyes. R43: May cause sensitisation by skin contact. R48: Danger of serious damage to health by prolonged exposure. R50: Very toxic to aquatic life. R53: Toxic to aquatic life with long lasting effects. R68: Possible risk of irreversible effects Or combination risk phases as appropriate.
S-phrases(s)	S2: Keep out of reach of children. S13: Keep away from food, drink and animal feeding stuffs. 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. S46: If swallowed, seek medical advice immediately and show container or label.
HSNO Regulations:	The HSNO Approval Number for this Group Standard is HSR002552 (Cosmetic Products Group Standard). Substances must comply with the Standard. Classes 3, 6, 8 and 9 of Control Regulations:
Identification and labelling Regulations	Hazardous Substances (Classification) Notice 2017. Hazardous Substances (Labelling) Notice 2017 including clause 31 alternative compliance for imported and manufactured goods for labelling.
Storage and handling	Hazardous Substances (Hazardous Property Controls) Notice 2017
Packaging Regulations	Hazardous Substances (Packaging) Notice 2017 including clause 14 alternative compliance for imported goods.
Disposal Regulations	Hazardous Substances (Disposal) Notice 2017 Emergency Management.
Other Regulations:	Hazardous Substances (Forms and Information) Notice 2017. Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.
Tracking:	Not required under Hazardous Substances (Hazardous Property Controls) Notice 2017.

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Certified Handlers:

Not required under Health and Safety at Work (Hazardous Substances) Regulations 2017.

16. Other Information

Date of Issue: 29 August 2019 (Version 2).

Supersedes: 9 July 2019 (Version 1).

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