

# SAFETY DATA SHEET

## SDS #106 HAIR BLEACHES AND LIGHTENERS

Date of Issue: 28 November 2016 (Version 2).  
Supersedes: 1 July 2013 (Version 1).

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

Product Identifier: L'Oréal Hair Lightening Products

Other Means of Identification:  
Ammonium, potassium and sodium persulfates blends in liquid and power form

Recommended Use/Product Type:  
Cosmetic Hair Lightening Products.

#### **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)

### **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

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Class 5.1 Oxidising Substances 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 5.1.1C Oxidising Solids 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. Schedule 6 Minimum Degrees of Hazard – Interpretation 2 J (ii).

**NZ HSNO Classification:** Category 6.1D Acute Toxicity: Oral  
Category 6.4 Eye Irritant.  
Category 6.5B Skin Sensitiser.  
Category 8.2 Skin Corrosive  
Category 8.3 Eye Corrosive  
Category 9.1D Ecotoxic to aquatic environment.

### **BOTH COUNTRIES**

**GHS Classification of the substance or mixture:**  
Oxidising Solids- Category 3.  
Acute Toxicity: Oral- Category 4.  
Eye Damage/Eye Irritation- Category 2A.  
Skin Irritation- Category 2.  
Specific Target Organ Toxicity-Category 3  
Skin Sensitisation- Category 1.  
Respiratory Sensitisation- Category 1  
Acute Aquatic Toxicity- Category 3.  
Chronic Aquatic Toxicity- Category 3.

**Allocation of Label Elements:**

**Pictograms:**



**GHS Signal word: DANGER**

**GHS Hazard statements:** H272: May intensify fire; oxidizer.  
H302: Harmful if swallowed.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H334: May cause allergy or asthma symptoms or breathing

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difficulties if inhaled.

H335: May cause respiratory irritation.

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.

P220: Keep/ store away from clothing and combustible materials.

P221: Take precautions to avoid mixing with combustibles.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing 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.

P284: In case of inadequate ventilation wear respiratory protection.

#### Response

P301 + P312: If swallowed immediately call a POISON CENTRE or a doctor.

P302 + P352: IF ON SKIN: Wash with plenty of water.

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.

P312: Call a POISON CENTRE or doctor if you feel unwell.

P330: Rinse Mouth.

P333 + P313: If skin irritation or rashes occurs: Get medical attention or advice.

P337 + P313: If eye irritation persists: Get medical advice.

P342 + +P311: If experiencing respiratory symptoms: Call a POISON CENTRE or doctor.

P362 + P364: Take off contaminated clothing and wash it before reuse.

P370 + P378: In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

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Storage	P403 + P233: Store in a well-ventilated place. Keep container tightly closed.
Disposal	P405: Store locked up. 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**

<b>Component/Substance</b>	<b>CAS Number</b>	<b>% by Weight</b>	<b>Hazardous Substance Classification</b>
Potassium Persulfate	7727-21-1	30-60	H272,H302, H315,H317, H319,H334, H335.
Sodium Silicate	7727-73-3	10-30	H290,H314, H335.
Sodium Persulfate	7775-27-1	10-30	H272,H302, H315,H317, H319,H334, H335.
Ammonium Persulfate	7727-54-0	10-30	H272,H302, H315,H317, H319,H334, H335.
Sodium Metasilicate	6834-92-0	<10	H290,H314, H335.
Magnesium Hydroxide	122-99-6	<10	H315,H319, H335.
Magnesium Peroxide	1335-26-8	<10	H272.
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.

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Inhalation: If symptoms are experienced, remove source of contamination and move victim to fresh air immediately. If symptoms persist, seek medical attention.

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.

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

### **5. Fire Fighting Measures**

#### Suitable Extinguishing Media:

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:

1Z.

### **6. Accidental Release Measures**

Emergency Procedures: UN 3215. 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 5.1 Oxidising Substances 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

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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.

## 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> )
Potassium Persulfate <sup>1,2</sup>	7727-21-1	-	0.01 Peak	-	-
Sodium Persulfate <sup>1,2</sup>	7775-27-1	-	0.01 Peak	-	-
Ammonium Persulfate <sup>1,2</sup>	7727-54-0	-	0.01 Peak	-	-
Silicon Dioxide <sup>1,2</sup>	7631-86-9	-	2	-	-

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.



### 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

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the form of tightly fitting safety goggles and/or face shield should be worn.



### 9. Physical and Chemical Properties

Appearance:	Opaque white fine white powder or liquid.
Odour:	Characteristic odour.
pH:	Not determined.
Boiling Point (°C):	Not determined.
Vapour Pressure:	Not determined. kPa @ 25°C.
Specific Gravity:	Not determined.
Flashpoint (°C):	Not determined.
Flammability Limits:	Highly flammable.
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:	Decomposition not known to occur.
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:	Chronic Health Effects have not been determined. There is no specific toxicological data on this product.

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### **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.

### **14. Transport Information**

#### **AUSTRALIA- ADG**

UN Number: 3215.  
UN Proper Shipping Name: PERSULFATES, INORGANIC, N.O.S.  
Class & Subsidiary Risk: Class 5.1 (Australia). 5.1.3C (New Zealand).  
Packaging Group: III.  
Special Precautions: P002, IBC08, LP02, B3, T1, TP33.  
Hazchem Code: 1Z.

#### **NEW ZEALAND**

Relevant Information. Hazard Class 5.1.1C



#### **IMDG**

UN/ID No.: UN3215.  
Proper shipping name: PERSULFATES, INORGANIC, N.O.S.  
Hazard class: 5.1.  
Packing group: III.  
Special Precautions: P002, E1, IBC08, LP02, B3, T1, TP33

#### **ICAO/IATA**

UN/ID No.: UN3215.  
Proper shipping name: PERSULFATES, INORGANIC, N.O.S.  
Hazard class: 5.1

### **15. Regulatory Information**



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### AUSTRALIA

SUSMP: SCHEDULE 6.  
FIRST AID (SUSMP) phone A For advice contact a Poisons Information Centre 131126 or a doctor at once.

#### Competition and Consumer Act:

Cosmetic ingredients must be labelled.

#### 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-phrase(s)

Risk phases are required for bulk storage and containers only.

N: Dangerous to the Environment.  
Xn: Harmful.  
O: Oxidising.  
R8: Contact with combustible material may cause fire.  
R22: Harmful if swallowed.  
R36: Irritating to eyes.  
R37: Irritating to the respiratory system.  
R38: Irritating to skin.  
R42: May cause sensitisation by inhalation.  
R43: May cause sensitisation by skin contact.  
R52: Harmful to aquatic life  
R53: Harmful to aquatic life with long lasting effects.  
Or combination risk phases as appropriate.

#### S-phrase(s)

S1: Keep locked up.  
S2: Keep out of reach of children.  
S13: Keep away from food, drink and animal feeding stuffs.  
S17: Keep away from combustible material.  
S22: Do not breathe dust.  
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.  
S36: Wear suitable protective clothing.

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	S37: Wear suitable gloves.
	S39: Wear eye/face protection.
	S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	S46: If swallowed, seek medical advice immediately and show container or label.
	S51: Use only in well ventilated areas.
HSNO Regulations:	The HSNO Approval Number for this Group Standard is HSR002552 (Cosmetic Products Group Standard). Substances must comply with the Standard. Classes 6, and 9 of Control Regulations: <ul style="list-style-type: none"><li>• Regulations 11-27, 7, 8, 10, 32-45, 50-51,55</li></ul>
	Identification Regulations: <ul style="list-style-type: none"><li>• Regulations 6,7, 32-35,36(1)-(7)</li><li>• Regulations 25, 29-31,37-39,47-50, 51,52</li></ul>
	Packaging Regulations: <ul style="list-style-type: none"><li>• Regulations 5,6,7(1),8, 9</li><li>• Schedule 3</li></ul>
	Disposal Regulations: <ul style="list-style-type: none"><li>• Regulations 8, 9, 10, 11, 12, 13, 14</li></ul>
	Emergency Management Regulations: <ul style="list-style-type: none"><li>• 6,7,9-11, 8e, 8f, 12-16,18-20, 25-34, 35-41, 42</li></ul>
	Tracking: <ul style="list-style-type: none"><li>• Not applicable.</li></ul>
	Approved Handlers: <ul style="list-style-type: none"><li>• Not applicable.</li></ul>
Additional Information:	Mixtures of bleach powders and solutions containing hydrogen peroxide (6, 9 and 12% may produce heat when applied to hair. This may be further enhanced by the presence of metallic impurities (i.e. aluminium as in glitter sprays or other forms). Should a reaction occur, remove mixture from the hair by rinsing at the basin! Do not mix with perm lotions. Skin sensitivity test: follow manufacturer's instructions.

## **16. Other Information**

Date of Issue:	28 November 2016 (Version 2).
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Version Number:	2
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

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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***