

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

L'Oreal USA Products, Inc.
111 Terminal Avenue
Clark, NJ 07066

Emergency Telephone Number:
1-800-535-5053 (International: 352-323-3500)
In Canada – 1-613-996-6666 (Canutec) (*666 cellular)

L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4Y 1K5
Canada

For further information:
1-732-499-2741

Poison Control Number: 412-390-3326

Product Name: L'Oreal Professionnel Tecni Art Morning After Dust
NFPA Level 3 Aerosol

Recommendations on use: Personal care aerosol-packaged product used as non-rinse hair shampoo.

Restrictions on use: For external use only. Use only as directed. Avoid contact with eyes.

This document is written for the packaged product (aerosol can containing propellants) with references to the dispensed or unpackaged product (liquid or foam) to identify hazards as necessary.

SECTION 2: HAZARDS IDENTIFICATION

Signal word: DANGER

Symbol	Classification	Hazard Statement	Prevention Statements
	Aerosols Category 1	Extremely flammable aerosol	<ul style="list-style-type: none"> Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

This material is considered hazardous by the US Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200)

General Precautionary Statements: Keep out of reach of children. Read label before use. Direct eye contact may cause watering, stinging or itching eyes.

Hazards Not Otherwise Classified: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Only hazardous constituents associated with this product are listed below

<u>INGREDIENT:</u>	<u>CAS NO</u>	<u>% WT</u>
Isobutane	75-78-4	≤ 86%

SECTION 4: FIRST AID MEASURES

Response Statements:

IF IN EYES: If eye irritation occurs: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing until material is sufficiently removed from the eye. **If eye irritation persists:** Get medical advice/attention.

IF ON SKIN: If skin irritation occurs: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. **If skin irritation persists:** Get medical advice/attention.

IF INHALED: Remove victim to fresh air and keep in a rest position comfortable for breathing. Call a Poison Control Center if you feel unwell.

IF SWALLOWED: Do not induce vomiting. Never give anything by mouth to an unconscious individual. Consult a physician or Poison Control Center immediately.

SYMPTOMS/EFFECTS: Causes serious eye irritation. Direct eye contact may cause watering, stinging or itching eyes.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Consult product labeling. No special advice.

SECTION 5: FIRE-FIGHTING MEASURES

Notes for Non-Emergency Personnel:

EXTINGUISHING MEDIA: In case of fire: Use carbon dioxide, dry chemical, foam and/or water spray for extinction. Selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved. Please review the tools available at your location to ensure proper availability of equipment.

Notes for those trained to participate in an emergency:

SPECIAL FIRE AND EXPLOSION HAZARDS: Treat as an NFPA Level 3 aerosol. Contents are under pressure. Follow National Fire Protection Association Guidelines or local guidelines appropriate for emergency response.

UNUSUAL FIRE AND EXPLOSION HAZARDS: The final product is offered under pressure. Observe all appropriate precautions for handling aerosol containers. The propellants are flammable liquefied gases. The dispensed liquid product is not flammable.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal degradation may produce oxides of carbon and/or derivatives.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Notes for non-emergency personnel:

Consult trained response personnel for clean-up of large spills or locations where providing preliminary control of the chemical release is hazardous. Hazardous locations include areas where ignition sources cannot be controlled. Isolate the area and deny entry to unnecessary and unprotected personnel. Sections 2, 5, 7 and 8 of this document should be consulted upon use of material, to become knowledgeable of the material's hazards and how to control risks associated with handling aerosols and industrial liquids.

If the location is not hazardous and only a small amount of material is released, control the spill using absorbent pads while wearing the protective equipment as noted below. Clean the area with detergent and water. Prohibit discharge to drains, soil, surface and ground waters. Dispose in accordance with Section 13 of this document.

PERSONAL PROTECTIVE EQUIPMENT: Nitrile or vinyl gloves, safety glasses/goggles, protective clothing (e.g. apron) may be required for clean-up of large spills. Respiratory protection is typically not necessary, but may be used depending upon the size of the spill and occupational exposure limits. Respiratory protection may include the use of organic vapor cartridges. Refer to Section 8 for additional information.

Notes for those trained to participate in an emergency:

ACCIDENTAL RELEASE MEASURES: Since this product is a sealed aerosol, accidental discharge of contents is unlikely unless the can is punctured. Should can puncture occur, eliminate all sources of ignition, then dike and contain the free liquid and absorb on vermiculite or spill pillows/pads. Place spent absorbents in sturdy containers for disposal. Prohibit discharge to drains, soil, surface and ground waters.

Recommendations for personal protective equipment selection are noted above. Dispose in accordance with section 13 of this document.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Aerosols should be handled in a manner that minimizes the risk of puncture – caps should be replaced after use. Containers should be maintained in an upright position during handling. Do not eat, drink or smoke while working with hazardous materials. Employees should be advised to wear appropriate protective equipment in the manufacturing environment. See section 8 of this document for protective equipment selection. Do not expose to heat or flame. All manufacturing should be performed indoors, in an enclosed environment free from uncontrolled ignition sources. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

Maintain a clean work environment which includes use of properly functioning containers, proper housekeeping practices.

CONDITIONS FOR SAFE STORAGE:

Storage precautions for unpackaged product (manufacturing environment): Store in a well-ventilated place and keep cool. Keep containers closed when not in use. Store on spill pallets or other locations where spill containment will be easily accessible.

Storage precautions for aerosol packaged product: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Use of an enclosed storage area with easy access is recommended for aerosol containers. Fire suppression and detection equipment compliant with NFPA 30B should be utilized. All aerosols should be stored in an upright position. Refer to consumer packaging for additional storage conditions.

Keep away from open drains and access to the environment.

Incompatible materials: Oxidizers, acids, bases. Store away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters – These criteria have been published by the referenced authority to establish exposure limits in the work environment. Employee work areas should be monitored to ensure that permissible limits are not exceeded during the work day. These references do not coincide with product use. These references are meant to be in association with the manufacturing environment.

OCCUPATIONAL EXPOSURE VALUES:

Component Name (CAS-No.)	Reference	TWA		STEL/CEILING	
		ppm	mg/m ³	ppm	mg/m ³
Isobutane (75-28-5)	OSHA PEL	--	--	--	--
	ACGIH TLV	--	--	1,000	2,370
	NIOSH REL	--	--	--	--

No occupational exposure values have been published for other constituents noted in Section 3.

WORK HYGIENIC PRACTICES: Ensure all work surfaces are maintained, to prevent contamination.

ENGINEERING CONTROLS: None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized. This ventilation should be compatible with the control of flammable materials. Exhaust ventilation should be utilized to maintain air concentrations of material below the occupational exposure guidelines noted above. Testing of aerosol cans should only be performed when appropriate equipment is available.

Local exhaust ventilation is not typically required for product use. For handling large quantities of material, such as in the manufacturing of product -- Local Exhaust: Explosion proof. Mechanical (general): Explosion proof.

PERSONAL PROTECTIVE EQUIPMENT: Consistent with good hygiene practices, personal protective equipment (PPE) should be used in conjunction with other control measures including engineering controls, ventilation and isolation. See also Section 5 of this document or PPE advice, in the event of an emergency.

Eye/Face Protection (Non-Emergency) None required for product use. For handling of large quantities of liquid material, safety glasses with side shields/goggles are recommended. For testing of pressurized cans, face shields or other equipment that protects the eyes/face should be considered for use.

Skin Protection (Non-Emergency): None required for product use. For handling large quantities of material, such as in product manufacturing, nitrile or vinyl gloves should be considered for use. Tyvek clothing may also be suitable for handling large quantities of material in the manufacturing environment.

Respiratory Protection (Non-Emergency): Respiratory protection is not required for product use. For manufacturing of product, respiratory protection may be considered. Ensure that the respirator meets current local occupational health and safety standards. Organic vapor cartridges should be utilized with filtering respiratory protection.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Aerosol can dispensing white dry powder	
ODOR:	Not Available	
ODOR THRESHOLD:	Not Available	
pH:	Not Available	
MELTING/FREEZING POINT:	F: N/A	C: N/A
BOILING POINT:	F: N/A	C: N/A
FLASH POINT:	F: < 0 (propellants); F: >212 (contained material) METHOD USED: Closed Cup	
EVAPORATION RATE:	Not Available (Butyl acetate = 1)	
FLAMMABLE LIMITS IN AIR:	Isobuante: Upper: 8.4%; Lower: 1.6%	
VAPOR PRESSURE (mmHg):	@ 70 F: 2000 – 2500; @ 21 C: 2000 -- 2500	
VAPOR DENSITY (AIR = 1):	@ 70 F F: >1; @ 21 C: >1	
RELATIVE DENSITY (H2O = 1):	Not Available	

SOLUBILITY IN WATER: Not Available
PARTITION COEFFICIENT: Not Available
AUTOIGNITION TEMPERATURE: Not Available
DECOMPOSITION TEMPERATURE: Not Available
VISCOSITY: Not Available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Material is not considered reactive under typical handling and storage conditions.

STABILITY: Product is stable.

POSSIBILITY OF HAZARDOUS REACTIONS: None known. Hazardous polymerization is not expected to occur.

CONDITIONS TO AVOID: Direct sunlight, temperatures exceeding 50°C/122°F, fire, flame and other sources of heat.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizers, acids, bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal degradation may produce oxides of carbon and/or derivatives.

SECTION 11: TOXICOLOGICAL INFORMATION

Where information is not listed specifically for constituents, published information was not available.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS:

SKIN CORROSION/IRRITATION: None expected

SERIOUS EYE DAMAGE/IRRITATION: Direct eye contact may cause watering, stinging or itching eyes.

RESPIRATORY/SKIN SENSITIZATION: None expected

INGESTION: Harmful if swallowed

INHALATION: Deliberately concentrating and inhaling the contents can be harmful or fatal.

ROUTES OF EXPOSURE: Inhalation, eyes, skin

SYMPTOMS: Direct eye contact may cause watering, stinging or itching eyes.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

ACUTE TOXICOLOGY DATA FOR COMPONENTS:

MATERIAL	ROUTE	SPECIES	TEST RESULTS
Isobutane	LC ₅₀ (2 hr)	Mouse	1,237 mg/L

Skin Corrosion/Irritation:

Isobutane: Liquefied Gas can Cause Frostbite

Serious Eye Damage/Irritation:

Isobutane: Liquefied Gas can Cause Frostbite

Respiratory Irritation:

No Data

Skin Sensitization:

No Data

CHRONIC HEALTH HAZARDS:

REPEAT DOSE TOXICITY

NOAEC (Isobutane, inhalation): 21,394 mg/m³ air; (Rat, 4 hour, OECD 422)

CARCINOGENICITY

Component Name (CAS-No.)	OSHA	ACGIH	NTP	IARC
None established	--	--	--	--

MUTAGENICITY:

Isobutane: A variety of *in vitro* tests have produced negative results.

REPRODUCTIVE TOXICITY:

Isobutane: NOAEC: 7,131 mg/m³ air (OECD 422) – No reproductive effects

DEVELOPMENTAL TOXICITY/TERATOGENICITY:

Isobutane: NOAEC: 7,131 mg/m³ air (OECD 422) – No teratogenic effects

SECTION 12: ECOLOGICAL INFORMATION

Contact with the environment should be avoided. Spills and leaks should be immediately cleaned up and removed. All precautions should be taken to prevent contact with the environment. Published information regarding ingredients listed on this document area found below; where data is not listed, documentation was unavailable.

ACUTE AND PROLONGED TOXICITY TO FISH

INGREDIENT NAME	TEST	RESULT	SPEICIES	EXPOSURE
Isobutane	LC ₅₀ (QSAR Calculation)	27.98 mg/L	Not Specified	96 h

ACUTE TOXICITY TO AQUATIC INVERTEBRATES

INGREDIENT NAME	TEST	RESULT	SPEICIES	EXPOSURE
Isobutane	EC ₅₀ (QSAR Calculation)	16.33 mg/L	Daphnid	48 h

TOXICITY TO AQUATIC PLANTS

INGREDIENT NAME	TEST	RESULT	SPEICIES	EXPOSURE
Isobutane	EC ₅₀ (QSAR Calculation)	8.57 mg/L	Green Algae	96 h

TOXICITY TO MICROORGANISMS

No Data

PERSISTENCY AND DEGRADABILITY:

No Data

BIOACCUMULATIVE POTENTIAL:

No Data

The product ingredients are expected to be safe for the environment at the concentrations predicted under normal use and accidental spill scenarios.

SECTION 13: DISPOSAL CONSIDERATIONS

Those responsible for the performance of disposal, recycling or reclamation activities should refer to Section 8 of this document for advice on personal protective equipment and exposure controls.

WASTE DISPOSAL CONTAINERS: Cans should have caps in place during waste consolidation or dispenser buttons/actuators removed. Appropriate U.S. DOT containers should be utilized which may include cardboard boxes for products, metal or plastic drums for liquids. These containers should meet the packaging specifications required for DOT compliance.

WASTE DISPOSAL METHOD: This product is ignitable (D001) RCRA hazardous wastes when intended for disposal. State specific guidance regarding aerosols should also be consulted. Controlled incineration at a licensed waste facility is the recommended technology for treatment and disposal. This material must not be disposed through sewage.

RCRA HAZARD CLASS: D001

Follow all local governmental requirements intended for disposal.

SECTION 14: TRANSPORT INFORMATION

North American Ground Transportation

- **IN CONSUMER PACKAGING:** Limited Quantity/Consumer Commodity
UN ID Number: UN 1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Packing Group: N/A
Label Statements: Exempt – Limited Quantity Marking Only
- **LIQUID WITHOUT PROPELLANT:** Non-hazardous/Not Regulated

Transport Via Water

- **IN CONSUMER PACKAGING:** Limited Quantity
UN ID Number: UN 1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Packing Group: N/A
Label Statements: Exempt – Limited Quantity Marking Only
- **LIQUID WITHOUT PROPELLANT:** Non-hazardous/Not Regulated

Transport Via Air (Domestic/International)

- **IN CONSUMER PACKAGING:** Limited Quantity – ID 8000, Consumer Commodity
UN ID Number: UN 1950
Proper Shipping Name: Aerosols
Hazard Class: 2.1
Packing Group: N/A
Label Statements: Miscellaneous – Dangerous Goods & Limited Quantity Marking
- **LIQUID WITHOUT PROPELLANT:** Non-hazardous/Not Regulated

Please be aware of carrier transport variations before shipping hazardous materials.

SECTION 15: REGULATORY INFORMATION

National Fire Protection Association Codes: Health: 1 Fire: 4 Reactivity: 0 Other: None

Workplace Hazardous Materials Identification System: Class B Division 5 Flammable Aerosol

This regulatory information represents the product, in its consumer packaging.

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: This is the first issuance of this document.

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