



SAFETY DATA SHEET

ISSUANCE DATE: February 6, 2017

SDS #00-22-023-1

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

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

Emergency Telephone Number:

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

For further information:

1-732-499-2741

Poison Control Number: 412-390-3326

Product Name: Matrix Light Master Oil Additive

Recommendations on use: Personal care product used on the hair for cosmetic effect.

Restrictions on use: For external use only. Use only as directed.

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: NONE

Symbol	Classification	Hazard Statement	Prevention Statements
No Symbol Required	NON-HAZARDOUS	NONE	NONE

This material is not considered hazardous by the U.S. 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 contact with eye may cause mechanical irritation.

Hazards Not Otherwise Classified: None.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Only hazardous constituents associated with the product are listed below

INGREDIENT:	CAS NO.	% WT
Zea Mays (Corn) Starch	9005-25-8	≤ 63.0%
Kaolin	1332-58-7	≤ 23.5%
Silica	7631-86-9 / 112945-52-5	≤ 9.5%
Mineral Oil	8042-47-5	≤ 4.0%

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. Remove all contaminated clothing and launder before reuse. **If skin irritation persists:** Get medical attention.

IF INHALED: Remove person to fresh air and keep in a 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: Possible mechanical eye irritation from direct contact.

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 to extinguish. 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 FIGHTING PROCEDURES: Follow National Fire Protection Association Guidelines or local guidelines appropriate for emergency response.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None required. For manufacturing, minimize airborne dust generation through engineering controls.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal degradation may produce oxides of carbon, hydrocarbons, 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 any associated risks.

If the location is not hazardous and only a small amount of material has been released, the material can be swept up or accumulated using a vacuum equipped with a HEPA filter and then placed into suitable containers while wearing protective equipment as noted below. Prohibit discharge to drains, soil, surface and ground waters. Use Dispose in accordance with section 13 of this document.

PERSONAL PROTECTIVE EQUIPMENT: Nitrile or vinyl gloves, apron may be required for clean-up of large releases. Respiratory protection such as filtering face pieces or respirators equipped with particulate cartridges may need to be utilized, depending upon the size of the spill. Protective goggles or face shield is recommended for the control of material. See also section 8 of this document.

Notes for those trained to participate in an emergency:

ACCIDENTAL RELEASE MEASURES: Materials in solid form are not expected to migrate greatly during release. Release material should be swept up and accumulated in appropriate sturdy containers while minimizing dust generation. Place spill residual in appropriate containers for disposal. Do not wash materials 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:

Do not eat, drink or smoke while working with chemical materials. Employees should be advised to wear appropriate protective equipment in the manufacturing environment. See section 8 of this document for protective equipment selection. All manufacturing should be performed indoors, in an enclosed environment.

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 where releases can easily be contained.

Storage precautions for packaged product: See consumer packaging.

Keep away from open drains and access to the environment.

Incompatible materials: None known.

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
Starch (Corn) (9005-25-8)	OSHA PEL	--	15*, 5**	--	--
	ACGIH TLV	--	10	--	--
	NIOSH REL	--	10*, 5**	--	--
Kaolin (1332-58-7)	OSHA PEL	--	15*, 5**	--	--
	ACGIH TLV	--	2 R	--	--
	NIOSH REL	--	10*, 5**	--	--

Component Name (CAS-No.)	Reference	TWA		STEL/CEILING	
		ppm	mg/m ³	ppm	mg/m ³
Silica, Amorphous (112926-00-8)	OSHA PEL	20 mppcf			
	ACGIH TLV	--	--	--	--
	NIOSH REL	--	6	--	--
Mineral Oil (Highly Refined)	ACGIH TLV	--	5 I	--	--
Oil Mist, Mineral (8012-95-1)	OSHA PEL	--	5	--	--
	NIOSH REL	--	5	--	10

Notes: mppcf – Million particles per cubic foot
 R – Measured as respirable fraction of the aerosol
 I (ACGIH)– Inhalable Fraction of Aerosol
 *(OSHA) – Total Dust
 **(OSHA) – Respirable Fraction
 *(NIOSH) – Total Dust
 **(NIOSH)– Respirable Fraction

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. Exhaust ventilation should be utilized to maintain air concentrations of materials consistent with local industrial hygiene standards.

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) such as filtering face pieces or respirators equipped with particulate cartridges should be used in conjunction with other control measures including engineering controls, ventilation and isolation. See also Section 5 of this document for PPE advice, in the event of an emergency.

Eye/Face Protection (Non-Emergency): None required for product use. For handling of large quantities of material, safety glasses with side shields/goggles are recommended.

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 such as filtering face pieces or respirators equipped with particulate cartridges may be considered. Ensure that the respirator meets current local occupational health and safety standards.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Powder	
ODOR:	Not Available	
ODOR THRESHOLD:	Not Available	
pH:	Not Applicable	
MELTING/FREEZING POINT:	F: Not Available	C: Not Available
BOILING POINT:	F: Not Available	C: Not Available

FLASH POINT:	F: Not Applicable	C: Not Applicable
EVAPORATION RATE:	Not Applicable	
FLAMMABILITY:	Not Flammable	
FLAMMABLE LIMITS IN AIR:	Not Applicable	
VAPOR PRESSURE (mmHg):	@ F: Not Applicable	@ C: Not Applicable
VAPOR DENSITY (AIR = 1):	@ F: Not Applicable	@ C: Not Applicable
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, or extremes in temperature.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal degradation may produce oxides of carbon, hydrocarbons, 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 contact with eye may cause mechanical irritation

RESPIRATORY/SKIN SENSITIZATION: None expected

INGESTION: Harmful if swallowed

INHALATION: None expected

ROUTES OF EXPOSURE: Inhalation, eyes, skin

SYMPTOMS: Possible mechanical eye irritation from direct contact.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

ACUTE TOXICOLOGY DATA FOR COMPONENTS

Material	Route	Species	Test Results
Kaolin	Oral LD ₅₀	Rat	> 5,000 mg/kg bw
Kaolin	Dermal LD ₅₀	Rat	> 5,000 mg/kg bw
Kaolin	LC ₅₀ (1 hr)	Rat	36 mg/L air
Silica	Oral LD ₅₀	Rat	> 5,000 mg/kg bw
Silica	Dermal LD ₅₀	Rabbit	> 5,000 mg/kg bw
Silica	LC ₀ (4hr)	Rat	> 0.139 mg/L air
Mineral Oil	Oral LD ₅₀	Rat (OECD 401 eq.)	> 5,000 mg/kg bw
Mineral Oil	Dermal LD ₅₀	Rabbit (OECD 402 eq.)	> 2,000 mg/kg bw
Mineral Oil	LC ₅₀ (4h) (Aero)	Rat (OECD 403 eq.)	> 5 mg/L air

Skin Corrosion/Irritation:

Corn Starch: Not Irritating (Human) (Patch Test)
Kaolin: Not Irritating (Rabbit)
Silica: Not Irritating (Rabbit)
Mineral Oil: Not Irritating (Rabbit, OECD 404 eq.)

Serious Eye Damage/Irritation:

Corn Starch: Possible Mechanical Irritation
Kaolin: Slightly Irritating (Rabbit)
Silica: Not Irritating (Rabbit)
Mineral Oil: Not Irritating (Rabbit, OECD 405 eq.)

Respiratory Irritation:

Silica: Irritating (Rabbit)

Skin Sensitization:

Silica: Not Sensitizing (Guinea Pig)
Mineral Oil: Not Sensitizing (Guinea Pig, OECD 406 eq.)

CHRONIC HEALTH HAZARDS:

REPEAT DOSE TOXICITY:

NOEL: (Mineral Oil, oral): ≥ 1,900 mg/kg bw/d (90d) (Rat, OECD 408)
 NOAEL: (Mineral Oil, dermal): ≥ 2,000 mg/kg/d (90d) (Rat, OECD 411)
 NOAEC: (Mineral Oil, inhalation): 50 mg/m³ air (28d) (Rat, OECD 412)

CARCINOGENICITY:

Component Name (CAS-No.)	OSHA	ACGIH	NTP	IARC
Silica, Amorphous (Various)	--	--	--	IARC-3
Mineral Oil (Pure, Highly Refined)	--	TLV-A4	--	IARC-3

Notes: ACGIH TLV-A4 – This reference indicates that the material is “Not Classifiable as a Human Carcinogen”.
 IARC-3 – This reference indicates that the material is “Unclassifiable as to Carcinogenicity in Humans”

MUTAGENICITY:

Silica: A variety of *in vitro* tests have produced negative results.
Mineral Oil: A variety of *in vitro* tests have produced negative results.

REPRODUCTIVE TOXICITY:

Silica: NOAEL: 497 mg/kg bw (OECD 415) – No effects on fertility
Mineral Oil: NOAEL: ≥ 1,000 mg/kg bw/d (Rat, OECD 421) – No effects on fertility

DEVELOPMENTAL TOXICITY/TERATOGENICITY:

Silica: NOAEL: 1,350 mg/kg bw (OECD 414) – No effects on development
Mineral Oil: NOAEL: > 5,000 mg/kg bw/d (Rat, OECD 414) – No effects development

SECTION 12: ECOLOGICAL INFORMATION

Contact with the environment should be avoided. Any releases 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	SPECIES	EXPOSURE
Silica	LC ₅₀ (OECD 203)	> 10,000 mg/L	Danio rerio	96 h
Mineral Oil	LC ₅₀ (OECD 203)	≥ 100 mg/L	Oncorhynchus mykiss	96 h

ACUTE TOXICITY TO AQUATIC INVERTEBRATES

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Silica	EC ₅₀ (OECD 202)	> 10,000 mg/L	Daphnia magna	48 h
Mineral Oil	LL ₅₀ (OECD 202)	> 100 mg/L	Daphnia magna	48 h

TOXICITY TO AQUATIC PLANTS

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Silica	EC ₅₀ (ISO 8692)	440 mg/L	Scenedesmus capricornutum	72 h
Mineral Oil	NOEL (OECD 201)	≥ 100 mg/L	Pseudokirchneriella subcapitata	72 h

TOXICITY TO MICROORGANISMS

No Data

PERSISTENCY AND DEGRADABILITY:

No Data

BIOACCUMULATIVE POTENTIAL:

Silica: Not expected to bioaccumulate

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: Appropriate containers should be utilized which may include cardboard boxes for products, metal or plastic drums.

WASTE DISPOSAL METHOD: This product is not considered a federal RCRA hazardous wastes when intended for disposal. 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: Not Regulated

Follow all local governmental requirements intended for disposal.

SECTION 14: TRANSPORT INFORMATION

North American Ground Transportation

- **IN CONSUMER PACKAGING:** Not Regulated
- **OTHER THAN CONSUMER PACKAGING:** Not Regulated

Transport Via Water

- **IN CONSUMER PACKAGING:** Not Regulated
- **OTHER THAN CONSUMER PACKAGING:** Not Regulated

Transport Via Air (Domestic/International)

- **IN CONSUMER PACKAGING:** Not Regulated
- **OTHER THAN CONSUMER PACKAGING:** Not Regulated

SECTION 15: REGULATORY INFORMATION

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

Workplace Hazardous Materials Identification System: None

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

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: This document replaces the version dated August 9, 2016 and all previous versions of safety data sheets related to this product.

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