

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

L'Oreal USA Products, Inc.
133 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, H4T 1K5
Canada

For further information:
1-732-499-2741

Poison Control Number: 412-390-3326



Product Name: Essie Speed Setter Topcoat

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

Restrictions on use: Avoid fire, flame, heat and other sources of ignition. For external use only. Keep away from contact with eyes. Use only as directed. Liquid dispensed from the container is considered flammable until dry.

SECTION 2: HAZARDS IDENTIFICATION

Signal Word: DANGER

Symbol	Classification	Hazard Statement	Prevention Statements
	Flammable Liquids Category 2	Highly flammable liquid and vapor	<ul style="list-style-type: none"> • Keep away from heat, sparks, open flames and hot surfaces. No smoking. • Keep container tightly closed. • Ground/bond container and receiving equipment. • Use explosion-proof electrical, ventilating, lighting, manufacturing and packaging equipment. • Use only non-sparking tools. • Take precautionary measures against static discharge. • Wear nitrile or vinyl protective gloves.
	Eye Irritation Category 2A	Causes serious eye irritation	<ul style="list-style-type: none"> • Wash hands thoroughly after handling. • Wear eye protection appropriate for the manufacturing operation being performed (goggles or face shield).

Symbol	Classification	Hazard Statement	Prevention Statements
See Symbol Above	Specific Target Organ Toxicity (Single Exposure) Category 3	May cause drowsiness or dizziness	<ul style="list-style-type: none"> Avoid breathing mist/vapors/spray. Use only in a well-ventilated area.

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. Over-exposure may cause skin dryness or slight irritation.

Hazards Not Otherwise Classified: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Only hazardous constituents associated with the product are listed below

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Ethyl Acetate	141-78-6	≤ 48.9%
Butyl Acetate	123-86-4	≤ 22.5%
Isopropyl Alcohol	67-63-0	≤ 6.0%

SECTION 4: FIRST AID MEASURES

Response Statements:

IF IN EYES: 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: Take off immediately all contaminated clothing. Rinse skin with water/shower. **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: Causes serious eye irritation. May cause drowsiness or dizziness. Over-exposure may cause skin dryness or slight irritation.

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 and/or foam to extinguish. Water spray may be used to soak other materials surrounding the product, to prevent the spread of the fire. 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: Treat as flammable liquid. Follow National Fire Protection Association Guidelines or local guidelines appropriate for emergency response. Minimize all sources of static electricity.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Observe all appropriate precautions for handling flammable materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal degradation may produce oxides of carbon, nitrogen, 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 risks associated with handling flammable 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: Eliminate all sources of ignition. Dike and contain the free liquid and absorb on vermiculite or spill pillows/pads. Place spent absorbents in UN specification drums for disposal. All precautions associated with controlling a flammable liquid should be employed during clean-up. Wash area completely with water. Take care to avoid contact with wet surfaces or walkways that may become slick when residue is present. Prohibit discharge to drains, soil, surface and ground waters.

Recommendations for personal protective equipment selection are noted above. Non-sparking tools should be utilized in all clean-up associated with flammable liquids. 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 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. Employees should be advised not to handle flammable products in close proximity to incompatible materials. Use only non-sparking tools. 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. Minimize inventory. Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge. Appropriate fire suppression and detection equipment should be utilized. Store on spill pallets or other locations where spill containment will be easily accessible.

Storage precautions for packaged product: See consumer packaging.

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
n-Butyl Acetate (123-86-4)	OSHA PEL	150	710	--	--
	ACGIH TLV	150	710	--	--
	NIOSH REL	150	710	200	950
Ethyl Acetate (141-78-6)	OSHA PEL	400	1,400	--	--
	ACGIH TLV	400	--	--	--
	NIOSH REL	400	1,400	--	--
Isopropyl Alcohol (67-63-0)	OSHA PEL	400	980	--	--
	ACGIH TLV	400	980	--	--
	NIOSH REL	400	980	500	1,225

Notes: *(OSHA) – Total Dust

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.

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 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 liquid 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 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:	Liquid – Colorless		
ODOR:	Solvent (Acetate)		
ODOR THRESHOLD:	Not Available		
pH:	Not Applicable		
MELTING/FREEZING POINT:	F: Not Available	C: Not Available	
BOILING POINT:	F: 170 (as ethyl acetate) C: 77 (as ethyl acetate)		
FLASH POINT:	F: 39.2	C: 4	METHOD USED: Closed Cup
EVAPORATION RATE:	Not Available (Butyl acetate = 1)		
FLAMMABILITY:	Not Applicable to Liquids		
FLAMMABLE LIMITS IN AIR:	n-Butyl Acetate:	7.6% UEL;	1.7% LEL
	Ethyl Acetate:	11.5% UEL;	2.0% LEL
	Isopropyl Alcohol:	12.7% UEL	2.0% LEL
VAPOR PRESSURE (mmHg):	@ 70F: Not Available	@ 21 C: Not Available	
VAPOR DENSITY (AIR = 1):	@ 70F: Not Available	@ 21 C: Not Available	
RELATIVE DENSITY (H2O = 1):	Not Available		
SOLUBILITY IN WATER:	Insoluble		
PARTITION COEFFICIENT:	Not Available		
AUTOIGNITION TEMPERATURE:	Not Available		

DECOMPOSITION TEMPERATURE: Not Available

VISCOSITY: Free flowing liquid

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: Heat, fire, flame and other sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Oxidizers, acids, and bases.

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: Over-exposure may cause skin dryness or slight irritation.

SERIOUS EYE DAMAGE/IRRITATION: Causes serious eye irritation.

RESPIRATORY/SKIN SENSITIZATION: None expected

INGESTION: Harmful if swallowed

INHALATION: May cause drowsiness or dizziness

ROUTES OF EXPOSURE: Inhalation, eyes, skin, ingestion

SYMPTOMS: Causes serious eye irritation. May cause drowsiness or dizziness. Over-exposure may cause skin dryness or slight irritation.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

ACUTE TOXICOLOGY DATA FOR COMPONENTS

Material	Route	Species	Test Results
Butyl Acetate	Oral LD ₅₀	Rat	10,768 mg/kg bw
Butyl Acetate	LC ₅₀	Rat	390 ppm
Ethyl Acetate	Oral LD ₅₀	Rat (OECD 401 eq.)	4,934 mg/kg bw
Ethyl Acetate	Dermal LD ₅₀	Rabbit	> 20,000 mg/kg bw
Ethyl Acetate	LC ₀ (4h)	Rat	29.3 mg/L air
Isopropyl Alcohol	LC ₅₀	Rat	16,000 ppm
Isopropyl Alcohol	Oral LD ₅₀	Rat	5,045 mg/kg bw

Skin Corrosion/Irritation:

Butyl Acetate: Not irritating (Rat)
Ethyl Acetate: Slightly Irritating (Rabbit, OECD 404 eq.)
Isopropyl Alcohol: Slightly Irritant (Rat)

Serious Eye Damage/Irritation:

Butyl Acetate: Not irritating (Rat)
Ethyl Acetate: Slightly irritant (Rabbit, OECD 405)
Isopropyl Alcohol: Highly Irritating (Rat)

Respiratory Irritation:

Butyl Acetate: Highly Irritating (Rat)
Ethyl Acetate: May Cause Irritation
Isopropyl Alcohol: Irritating (Rat)

Skin Sensitization:

Butyl Acetate: Not Sensitizing (Guinea Pig, OECD 406 eq.)
Ethyl Acetate: Not Sensitizing (Guinea Pig, OECD 406)
Isopropyl Alcohol: Not Sensitizing (Guinea Pig, OECD 406)

CHRONIC HEALTH HAZARDS:

REPEAT DOSE TOXICITY:

NOAEL (Butyl Acetate, inhalation): 2.4 mg/L air (Rat)
 NOAEL (Ethyl Acetate, oral): 900 mg/kg bw/d (90d) (Rat, EPA OTS 795.2600)
 NOAEL (Ethyl Acetate, inhalation): 1.28 mg/L air (90d) (Rat, EPA OTS 795.2450)
 NOAEL (Isopropyl Alcohol, inhalation): 504 mg/kg (Rat)
 LOAEL (Isopropyl Alcohol, inhalation): 2,509 mg/kg (Rat)

CARCINOGENICITY:

Component Name (CAS-No.)	OSHA	ACGIH	NTP	IARC
Isopropyl Alcohol (67-63-0)	--	TLV-A4	--	IARC-3

Notes: ACHIH 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 to Humans”.

MUTAGENICITY:

Butyl Acetate: A variety of *in vitro* tests have produced negative results.
Ethyl Acetate: A variety of *in vitro* and *in vivo* tests have produced negative results.
Isopropyl Alcohol: A variety of *in vitro* and *in vivo* tests have produced negative results

REPRODUCTIVE TOXICITY:

Butyl Acetate: In a two-generation study, reproduction performance was not affected (OECD 116)
Ethyl Acetate: NOEL: 1,500 ppm (Rat, 40 CFR 798.2450) – No effects on reproduction
Isopropyl Alcohol: In a multi-generation study, reproductive performance was not affected at any conc.

DEVELOPMENTAL TOXICITY/TERATOGENICITY:

Butyl Acetate: No development toxicity observed (NOAEL: 1500ppm)
Isopropyl Alcohol: No development toxicity observed (OECD 414)

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	SPECIES	EXPOSURE
Butyl Acetate	LC ₅₀	18 mg/l	Pimephales promelas	96 h
Ethyl Acetate	LC ₅₀ (EPA E03-05)	230 mg/L	Pimephales promelas	96 h

Isopropyl Alcohol	LC ₅₀	11,130 mg/l	Pimephales promelas	96 h
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ACUTE TOXICITY TO AQUATIC INVERTEBRATES

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Butyl Acetate	EC ₅₀	205 mg/l	Daphnia magna	24 h
Ethyl Acetate	EC ₅₀ (DIN 38412, Pt.11)	3,090 mg/L	Daphnia magna	24 h
Isopropyl Alcohol	LC ₅₀	903 mg/l	Daphnia magna	96 h

TOXICITY TO AQUATIC PLANTS

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Butyl Acetate	EC ₅₀	675 mg/l	Scenedesmus subspicatus	72 h
Ethyl Acetate	NOEC (OECD 201)	> 100 mg/L	Desmodesmus subspicatus	72 h
Isopropyl Alcohol	EC ₅₀	>1,000 mg/l	Scenedesmus subspicatus	96 h

TOXICITY TO MICROORGANISMS

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Butyl Acetate	EC ₅₀	959 mg/l	Pseudomonas putida	18 h
Ethyl Acetate	EC ₃ (DIN 38412, Pt.8)	650 mg/L	Pseudomonas putida	16 h
Isopropyl Alcohol	EC ₅₀	41,676 mg/l	Activated sludge	30 d

PERSISTENCY AND DEGRADABILITY:

Butyl Acetate: Readily Biodegradable – OECD 301 D
 Ethyl Acetate: Readily Biodegradable – OECD 301 – 94% (28d)
 Isopropyl Alcohol: Readily Biodegradable – Half life: 1 - 10 days

BIOACCUMULATIVE POTENTIAL:

Butyl Acetate: BCF: 15.3 - Low potential to bioaccumulate
 Ethyl Acetate: log Pow: 0.68; BCF: 30 – Low potential to bioaccumulate
 Isopropyl Alcohol: 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 US 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. Controlled incineration at a hazardous 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 (≤ 1 L)
UN ID Number: UN 1266
PROPER SHIPPING NAME: Perfumery products
HAZARD CLASS: 3
PACKING GROUP: II
LABEL STATEMENTS: Exempt – Limited Quantity Marking Only

- **OTHER THAN CONSUMER PACKAGING:**
UN ID NUMBER: UN 1266
PROPER SHIPPING NAME: Perfumery Products
HAZARD CLASS: 3
PACKING GROUP: II
LABEL STATEMENTS: Flammable Liquid

Transport Via Water

- **IN CONSUMER PACKAGING:** Limited Quantity (≤ 5 L)
UN ID NUMBER: UN 1266
PROPER SHIPPING NAME: Perfumery Products
HAZARD CLASS: 3
PACKING GROUP: II
LABEL STATEMENTS: Exempt – Limited Quantity Marking Only

- **OTHER THAN CONSUMER PACKAGING:**
UN ID NUMBER: UN 1266
PROPER SHIPPING NAME: Perfumery Products
HAZARD CLASS: 3
PACKING GROUP: II
LABEL STATEMENTS: Flammable Liquid

Transport Via Air (Domestic/International)

- **IN CONSUMER PACKAGING:** Limited Quantity – ID 8000, Consumer Commodity (≤ 0.5 L)
UN ID NUMBER: ID 8000
PROPER SHIPPING NAME: Consumer Commodity
HAZARD CLASS: 9
PACKING GROUP: N/A
LABEL STATEMENTS: Miscellaneous – Dangerous Goods & Limited Quantity Marking

- **OTHER THAN CONSUMER PACKAGING:**
UN ID NUMBER: UN 1266
PROPER SHIPPING NAME: Perfumery Products
HAZARD CLASS: 3
PACKING GROUP: II
LABEL STATEMENTS: Flammable Liquid

Please be aware of carrier transport variations before shipping hazardous materials

SECTION 15: REGULATORY INFORMATION

National Fire Protection Association Codes: Health: 2 Fire: 3 Reactivity: 0 Other: None

Workplace Hazardous Materials Identification System: Class B Flammable Material; Class D; Division 2, Subdivision B; Eye Irritation

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

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION: This document replaces the version dated December 14, 2016 and all previous versions of safety data sheets related to this product.

Author: Antonia Borek (Corporate Regulatory Services)