

1. Identification

Product identifier KIEHL'S FACIAL FUEL SPF
Other means of identification
SDS number 34-52-0000039
Recommended use Personal care product used for cosmetic effect.
Recommended restrictions None known.
Manufacturer/Importer/Supplier/Distributor information

US Address: L'Oreal USA Products, Inc
133 Terminal Avenue
Clark, NJ 07066
USA

Canadian Address: L'Oreal Canada
4895 rue Hickmore
Ville St-Laurent, H4T 1K5
Canada

Emergency Phone # : 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 # : 412-390-3326

2. Hazard(s) identification

Physical hazards Flammable liquids Category 4
Health hazards Sensitization, skin Category 1B
OSHA defined hazards Not classified.

Label elements



Signal word Warning
Hazard statement Combustible liquid. May cause an allergic skin reaction.
Precautionary statement
Prevention Keep away from flames and hot surfaces-No smoking. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves/eye protection/face protection.
Response If on skin: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish.
Storage Store in a well-ventilated place. Keep cool.
Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC) None known.
Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
GLYCERIN		56-81-5	≤ 5
ETHANOL		64-17-5	≤ 3
TOCOPHEROL		10191-41-0	≤ 1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Combustible liquid.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep out of the reach of children. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
ETHANOL (CAS 64-17-5)	PEL	1900 mg/m ³	
		1000 ppm	
GLYCERIN (CAS 56-81-5)	PEL	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
GLYCERIN (CAS 56-81-5)	TWA	5 mg/m ³	Respirable fraction.
		15 mg/m ³	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value
ETHANOL (CAS 64-17-5)	STEL	1000 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
ETHANOL (CAS 64-17-5)	TWA	1900 mg/m ³
		1000 ppm

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

Eye/face protection

Applicable for industrial settings only. Face shield is recommended. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Applicable for industrial settings only. Wear appropriate chemical resistant gloves.

Other

Applicable for industrial settings only. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

Applicable for industrial settings only. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state	Liquid.
Form	Cream.
Color	Not available.

Odor Not available.

Odor threshold Not available.

pH 4.9 - 5.5

Melting point/freezing point Not available.

Initial boiling point and boiling range > 212 °F (> 100 °C)

Flash point 181.4 °F (83.0 °C) Closed Cup

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Not available.

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Auto-ignition temperature Not available.

Decomposition temperature Not available.

Viscosity Not available.

Other information

Explosive properties Not explosive.

Fire point > 212.00 °F (> 100.00 °C) ISO 2592

Oxidizing properties Not oxidizing.

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents. Alkaline metals.

Hazardous decomposition products No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact May cause an allergic skin reaction.

Eye contact No adverse effects due to eye contact are expected.

Ingestion Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not known.

Product	Species	Test Results
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KIEHL'S FACIAL FUEL SPF

Acute

Oral

ATEmix

746300 mg/kg

Components	Species	Test Results
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ETHANOL (CAS 64-17-5)

Acute

Dermal

LD50

Rabbit

> 20000 mg/kg

Inhalation

Vapor

LC50

Rat

124.7 mg/l, 4 h OECD 403

Oral

LD50

Rat

10470 mg/kg OECD 401

GLYCERIN (CAS 56-81-5)

Acute

Dermal

LD50

Rabbit

> 18700 mg/kg bw

Inhalation

LC50

Rat

> 570 mg/L air, 1 h

Oral

LD50

Rat

27200 mg/kg bw

TOCOPHEROL (CAS 10191-41-0)

Acute

Dermal

LD50

Rat

> 3000 mg/kg bw OECD 402

Oral

LD50

Rat

> 4000 mg/kg bw OECD 401

Skin corrosion/irritation No adverse effects due to skin contact are expected.

Irritation Corrosion - Skin

ETHANOL

OECD 404
Result: Not Irritating
Species: Rabbit

TOCOPHEROL

OECD 404
Result: Slightly Irritating
Species: Rabbit

GLYCERIN

Result: Not Irritating
Species: Rabbit

Serious eye damage/eye irritation No adverse effects due to eye contact are expected.

Irritation Corrosion - Eye

ETHANOL

OECD 405
Result: Irritating
Species: Rabbit

TOCOPHEROL

OECD 405
Result: Not Irritating
Species: Rabbit

Irritation Corrosion - Eye

GLYCERIN

Result: Not Irritating

Species: Rabbit

Respiratory or skin sensitization**Respiratory sensitization**

Not a respiratory sensitizer.

Skin sensitization

May cause an allergic skin reaction.

Skin sensitization

GLYCERIN

167 mg/m³ air OECD 413, Inhalation

Result: NOAEL

Species: Rat

Test Duration: 90 d

ETHANOL

OECD 406

Result: Not Sensitizing

Species: Guinea pig

TOCOPHEROL

OECD 429

Result: Sensitizing

Species: Guinea pig

GLYCERIN

Result: Not Sensitizing

Species: Guinea pig

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Mutagenicity

ETHANOL

Result: In vitro and in vivo tests did not show mutagenic effects.

GLYCERIN

Result: In vitro and in vivo tests did not show mutagenic effects.

TOCOPHEROL

Result: In vitro and in vivo tests did not show mutagenic effects.

Carcinogenicity

Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

Reproductive toxicity

Possible reproductive hazard.

Developmental effects

TOCOPHEROL

> 1600 mg/kg bw/d OECD 414, Based on test data for structurally similar materials.

Result: NOEL

Species: Rat

ETHANOL

> 20000 ppm OECD 414, No effects on development

Result: NOAEL

Species: Rat

GLYCERIN

1310 mg/kg bw/d, No effects on development

Result: NOAEL

Species: Rat

Reproductivity

GLYCERIN

2000 mg/kg bw/d, No effects on fertility

Result: NOAEL

Species: Rat

ETHANOL

20700 mg/kg bw/d OECD 416, No effects on fertility

Result: NOAEL

Species: Rat

TOCOPHEROL

800 mg/kg bw/d OECD 415, Based on test data for structurally similar materials.

Result: NOAEL

Species: Rat

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Specific target organ toxicity - repeated exposure

ETHANOL	1730 mg/kg bw/d OECD 408, Oral Result: NOAEL Species: Rat
TOCOPHEROL	500 mg/kg bw/d OECD 408, Based on test data for structurally similar materials. Result: NOAEL Species: Rat
GLYCERIN	Test Duration: 90 d 8000 mg/kg bw/d, Oral Result: NOAEL Species: Rat Test Duration: 2 yr

Aspiration hazard Not an aspiration hazard.

Further information May cause allergic respiratory and skin reactions. The reference to any animal testing for individual constituents mentioned in this document is based on public, third-party data.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
ETHANOL (CAS 64-17-5)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Pseudokirchneriella subcapitata 22200 mg/l, 96 h
Crustacea	EC50	Ceriodaphnia dubia 5012 mg/l, 48 h
Fish	LC50	Pimephales promelas 15300 mg/l, 96 h
Other	IC50	Activated sludge of a predominantly domestic sewage > 1000 mg/l, 3 h
<i>Chronic</i>		
Crustacea	NOEC	Daphnia magna 9.6 mg/l, 9 d
Fish	NOEC	Danio rerio 250 mg/l, 120 h OECD 212
GLYCERIN (CAS 56-81-5)		
Aquatic		
<i>Acute</i>		
Algae	EC0	Scenedesmus quadricauda > 10000 mg/l, 192 h
Crustacea	EC50	Daphnia magna 1955 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss 54000 mg/l, 96 h
Other	NOEC	Pseudomonas putida > 10000 mg/l, 16 h
TOCOPHEROL (CAS 10191-41-0)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Pseudokirchneriella subcapitata > 25.8 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna > 23.53 mg/l, 48 h OECD 202
Fish	LC50	Oncorhynchus mykiss > 100 mg/l, 96 h OECD 203
Other	EC20	Activated sludge of a predominantly domestic sewage > 927 mg/l, 30 min ISO 8192

Persistence and degradability**Biodegradability****Percent degradation (Aerobic biodegradation)**

ETHANOL	84 % Result: Readily Biodegradable Test Duration: 20 d
GLYCERIN	OECD 301 Result: Readily Biodegradable

Biodegradability**Percent degradation (Aerobic biodegradation)**

TOCOPHEROL

8 % OECD 301 F

Result: Not Readily Biodegradable

Test Duration: 28 d

Bioaccumulative potential**Partition coefficient n-octanol / water (log Kow)**

ETHANOL

-0.31

GLYCERIN

-1.76

Mobility in soil

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations**Disposal instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations

Dispose in accordance with all applicable regulations.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information**DOT****FINISHED GOODS**

Not regulated as dangerous goods.

BULK**UN number**

NA1993

UN proper shipping name

Combustible liquid, n.o.s. (ETHANOL), MARINE POLLUTANT (OCTOCRYLENE, ETHYLHEXYL SALICYLATE)

Class

Combustible liquid

Packing group

III

Environmental hazards**Marine pollutant**

Yes

Transport hazard class(es)**Label(s)**

None

Special provisions

148, IB3, T1, TP1

Packaging non bulk

203

Materials classified as combustible liquids are only regulated for transport when offered in bulk packaging (>119 gallons).

IATA**FINISHED GOODS**

Not regulated as dangerous goods.

BULK**UN number**

UN3082

UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OCTOCRYLENE, ETHYLHEXYL SALICYLATE)

Class

9

Packing group

III

Environmental hazards**Marine pollutant**

Yes

ERG Number

9L

IMDG**FINISHED GOODS**

Not regulated as dangerous goods.

BULK**UN number**

UN3082

UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (OCTOCRYLENE, ETHYLHEXYL SALICYLATE), MARINE POLLUTANT

Class	9
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
General information	IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant. Packagings containing a net quantity per single package or inner packaging of 5L or less are not subject transportation restrictions except for general packing provisions.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

ETHANOL (CAS 64-17-5) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No (Exempt)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

ETHANOL (CAS 64-17-5)

Low priority

GLYCERIN (CAS 56-81-5)

Other Flavoring Substances with OSHA PEL's

16. Other information, including date of preparation or last revision

Issue date 10-26-2022

Revision date 10-26-2022

Version # 02

NFPA ratings Health: 2
Flammability: 2
Instability: 0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Revision information Product and Company Identification: Product and Company Identification - L'Oreal