

1. Identification

Product identifier ESSIE NAIL POLISH

Other means of identification

SDS number 30-81-0000047

Recommended use Personal care product used for cosmetic effect.

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

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

Emergency Phone # : 1-613-996-6666 (Canutec (*666 Cellular))

For further information: 1-732-499-2741

Poison Control # : 1-412-390-3326

2. Hazard(s) identification

Physical hazards Flammable liquids Category 2

Health hazards Serious eye damage/eye irritation Category 2A

Specific target organ toxicity, single exposure Category 3 narcotic effects

Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statement

Prevention Keep out of reach of children. Read label before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response If medical advice is needed, have product container or label at hand. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. In case of fire: Use appropriate media to extinguish.

Storage Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
ETHYL ACETATE		141-78-6	< 28
N-BUTYL ACETATE		123-86-4	< 24
NITROCELLULOSE		9004-70-0	< 13
PROPYL ACETATE		109-60-4	< 11
ISOPROPANOL		67-63-0	< 6
TRIPHENYL PHOSPHATE		115-86-6	< 3
CAMPHOR		76-22-2	< 2
Other components below reportable levels			16 - < 44

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 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 drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. 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. Alcohol resistant 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	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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	Highly flammable liquid and vapor.

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 or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools.

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. Avoid discharge into drains, water courses or onto the ground.

Environmental precautions**7. Handling and storage****Precautions for safe handling**

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist or vapor. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original 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****US. ACGIH Threshold Limit Values**

Components	Type	Value
CAMPHOR (CAS 76-22-2)	STEL	3 ppm
	TWA	2 ppm
ETHYL ACETATE (CAS 141-78-6)	TWA	400 ppm
	STEL	400 ppm
ISOPROPANOL (CAS 67-63-0)	TWA	200 ppm
	STEL	150 ppm
N-BUTYL ACETATE (CAS 123-86-4)	TWA	50 ppm
	STEL	250 ppm
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	200 ppm
	TWA	3 mg/m ³

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
CAMPHOR (CAS 76-22-2)	STEL	19 mg/m ³
		3 ppm
	TWA	12 mg/m ³
ETHYL ACETATE (CAS 141-78-6)	TWA	2 ppm
		1440 mg/m ³
ISOPROPANOL (CAS 67-63-0)	STEL	400 ppm
		984 mg/m ³
N-BUTYL ACETATE (CAS 123-86-4)	TWA	400 ppm
		492 mg/m ³
	STEL	200 ppm
		950 mg/m ³

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
PROPYL ACETATE (CAS 109-60-4)		200 ppm
	TWA	713 mg/m ³
		150 ppm
	STEL	1040 mg/m ³
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	250 ppm
		835 mg/m ³
	TWA	200 ppm
		3 mg/m ³

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
CAMPHOR (CAS 76-22-2)	STEL	3 ppm
	TWA	2 ppm
ETHYL ACETATE (CAS 141-78-6)	TWA	150 ppm
ISOPROPANOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
N-BUTYL ACETATE (CAS 123-86-4)	TWA	20 ppm
PROPYL ACETATE (CAS 109-60-4)	STEL	250 ppm
	TWA	200 ppm
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	3 mg/m ³

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
CAMPHOR (CAS 76-22-2)	STEL	3 ppm
	TWA	2 ppm
ETHYL ACETATE (CAS 141-78-6)	TWA	400 ppm
ISOPROPANOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
N-BUTYL ACETATE (CAS 123-86-4)	STEL	150 ppm
PROPYL ACETATE (CAS 109-60-4)	TWA	50 ppm
	STEL	250 ppm
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	200 ppm
	TWA	3 mg/m ³

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
CAMPHOR (CAS 76-22-2)	STEL	3 ppm
	TWA	2 ppm
ETHYL ACETATE (CAS 141-78-6)	TWA	400 ppm
ISOPROPANOL (CAS 67-63-0)	STEL	400 ppm
	TWA	200 ppm
N-BUTYL ACETATE (CAS 123-86-4)	STEL	200 ppm
PROPYL ACETATE (CAS 109-60-4)	TWA	150 ppm
	STEL	250 ppm
	TWA	200 ppm

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	3 mg/m ³

Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
CAMPHOR (CAS 76-22-2)	STEL	19 mg/m ³ 3 ppm
	TWA	12 mg/m ³ 2 ppm
ETHYL ACETATE (CAS 141-78-6)	TWA	1440 mg/m ³
ISOPROPANOL (CAS 67-63-0)	STEL	400 ppm 1230 mg/m ³
	TWA	500 ppm 983 mg/m ³
N-BUTYL ACETATE (CAS 123-86-4)	STEL	400 ppm 950 mg/m ³
	TWA	200 ppm 713 mg/m ³
PROPYL ACETATE (CAS 109-60-4)	STEL	150 ppm 1040 mg/m ³
	TWA	250 ppm 835 mg/m ³
TRIPHENYL PHOSPHATE (CAS 115-86-6)	TWA	200 ppm 3 mg/m ³

Biological limit values**ACGIH Biological Exposure Indices**

Components	Value	Determinant	Specimen	Sampling Time
ISOPROPANOL (CAS 67-63-0)	40 mg/l	Acetone	Urine	*

* - For sampling details, please see the source document.

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) 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. Provide eyewash station. Eye wash fountain and emergency showers are recommended.

Individual protection measures, such as personal protective equipment

Eye/face protection	Chemical respirator with organic vapor cartridge and full facepiece.
Skin protection	
Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear suitable protective clothing.
Respiratory protection	Chemical respirator with organic vapor cartridge and full facepiece.
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.

9. Physical and chemical properties**Appearance**

Physical state	Liquid.
Color	Shaded

Odor Sweet.

Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	> 95 °F (> 35 °C)
Flash point	39.2 °F (4.0 °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.

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	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents. Nitrates. Isocyanates. Chlorine.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause drowsiness and dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Information on toxicological effects

Acute toxicity Not known.

Components	Species	Test Results
ETHYL ACETATE (CAS 141-78-6)		
Acute		
Dermal		
LD50	Rabbit	> 20000 mg/kg bw
Inhalation		
LC0	Rat	29.3 mg/L air, 4 h
Oral		
LD50	Rat	4934 mg/kg bw OECD 401
ISOPROPANOL (CAS 67-63-0)		
Acute		
Dermal		
LD50	Rabbit	16.4 ml/kg bw OECD 402
Inhalation		
<i>Vapor</i>		
LC50	Rat	> 10000 ppm, 6 Hours OECD 403
Oral		
LD50	Rat	5840 mg/kg bw OECD 401
N-BUTYL ACETATE (CAS 123-86-4)		
Acute		
Oral		
LD50	Rabbit	> 14112 mg/kg bw OECD 402
	Rat	10760 mg/kg bw OECD 423
TRIPHENYL PHOSPHATE (CAS 115-86-6)		
Acute		
Oral		
LD50	Rat	3.8 g/kg

* Estimates for product may be based on additional component data not shown.

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

Irritation Corrosion - Skin

N-BUTYL ACETATE	OECD 404 Result: Not Irritating Species: Rabbit
ETHYL ACETATE	OECD 404 Result: Slightly Irritating Species: Rabbit
ISOPROPANOL	Result: Not Irritating Species: Rabbit
PROPYL ACETATE	Result: Slightly Irritating Species: Rabbit

Serious eye damage/eye irritation Causes serious eye irritation.

Irritation Corrosion - Eye

N-BUTYL ACETATE	OECD 405 Result: Not Irritating Species: Rabbit
ISOPROPANOL	OECD 405 Result: Severely Irritating Species: Rabbit
ETHYL ACETATE	OECD 405 Result: Slightly Irritating Species: Rabbit
PROPYL ACETATE	Result: Irritating Species: Rabbit

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

ETHYL ACETATE (CAS 141-78-6)	Irritant
N-BUTYL ACETATE (CAS 123-86-4)	Irritant
PROPYL ACETATE (CAS 109-60-4)	Irritant

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Skin sensitization

ISOPROPANOL	OECD 406 Result: Not Sensitizing Species: Guinea pig
N-BUTYL ACETATE	OECD 406 Result: Not Sensitizing Species: Guinea pig
PROPYL ACETATE	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

ETHYL ACETATE	Result: In vitro and in vivo tests did not show mutagenic effects.
ISOPROPANOL	Result: In vitro and in vivo tests did not show mutagenic effects.
N-BUTYL ACETATE	Result: In vitro and in vivo tests did not show mutagenic effects.
PROPYL ACETATE	Result: In vitro tests did not show mutagenic effects

Carcinogenicity Not classifiable as to carcinogenicity to humans.

ACGIH Carcinogens

CAMPHOR (CAS 76-22-2)	A4 Not classifiable as a human carcinogen.
ISOPROPANOL (CAS 67-63-0)	A4 Not classifiable as a human carcinogen.
TRIPHENYL PHOSPHATE (CAS 115-86-6)	A4 Not classifiable as a human carcinogen.

Canada - Manitoba OELs: carcinogenicity

CAMPHOR (CAS 76-22-2)	Not classifiable as a human carcinogen.
ISOPROPANOL (CAS 67-63-0)	Not classifiable as a human carcinogen.
TRIPHENYL PHOSPHATE (CAS 115-86-6)	Not classifiable as a human carcinogen.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Developmental effects

N-BUTYL ACETATE	1500 ppm OECD 414 Result: NOAEC Species: Rat
ISOPROPANOL	400 mg/kg bw/d OECD 414, No effects on development Result: NOAEL Species: Rabbit

Reproductivity

ISOPROPANOL	1000 mg/kg bw/d OECD 416, No effects on fertility Result: NOAEL Species: Rat
ETHYL ACETATE	1500 ppm 40 CFR 798.2450 Result: NOAEL Species: Rabbit
N-BUTYL ACETATE	2000 ppm OECD 416 Result: NOAEC Species: Rat
PROPYL ACETATE	2000 ppm OECD 416 Result: NOAEC Species: Rat

Specific target organ toxicity - single exposure May cause drowsiness and dizziness.

ETHYL ACETATE	Result: May cause drowsiness or dizziness.
N-BUTYL ACETATE	Result: May cause drowsiness or dizziness.
PROPYL ACETATE	Result: May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure Not classified.

ETHYL ACETATE	1.28 mg/L air EPA OTS 795.2450, Inhalation Result: NOEC Species: Rat Test Duration: 90 d
N-BUTYL ACETATE	125 mg/kg bw/d EPA OTS 798.2650, Oral Result: NOAEL Species: Rat Test Duration: 90 d
PROPYL ACETATE	2.35 mg/L air EPA OTS 798.2450, Inhalation Result: NOAEL Species: Rat
N-BUTYL ACETATE	500 ppm EPA OTS 798.2450, Inhalation Result: NOAEC Species: Rat Test Duration: 90 d
ISOPROPANOL	5000 ppm OECD 413, Inhalation Result: NOALE Species: Rat Test Duration: 90 d
ETHYL ACETATE	900 mg/kg bw/d EPA OTS 795.2600, Oral Result: NOAEL Species: Rat Test Duration: 90 d

Aspiration hazard Not an aspiration hazard.

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
ETHYL ACETATE (CAS 141-78-6)			
Aquatic			
Algae	NOEC	Desmodesmus subspicatus	> 100 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	3090 mg/l, 24 h DIN 38412, 11
Fish	LC50	Pimephales promelas	230 mg/l, 96 h
Other	EC10	Pseudomonas putida	650 mg/l, 16 h DIN 38412, 8
ISOPROPANOL (CAS 67-63-0)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Scenedesmus quadricauda	> 1000 mg/l, 72 h
Crustacea	EC50	Daphnia magna	9714 mg/l, 24 h OECD 202
Fish	LC50	Pimephales promelas	9640 mg/l, 96 h OECD 203
Other	TD	Pseudomonas putida	1050 mg/l, 16 DIN 38412, Pt. 8
N-BUTYL ACETATE (CAS 123-86-4)			
<i>Acute</i>			
Other	IC50	Tetrahymena pyriformis	356 mg/l, 40 h
Aquatic			
<i>Acute</i>			
Algae	EC50	Pseudokirchneriella subcapitata	397 mg/l, 72 h OECD 201
Crustacea	EC50	Daphnia magna	44 mg/l, 48 h OECD 202
Fish	LC50	Pimephales promelas	18 mg/l, 96 h OECD 203
<i>Chronic</i>			
Crustacea	NOEC	Daphnia magna	23.2 mg/l, 21 d OECD 211

Components	Species	Test Results
PROPYL ACETATE (CAS 109-60-4)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Pseudokirchneriella subcapitata 672 mg/l, 72 h
Crustacea	EC50	Daphnia magna 91.5 mg/l, 48 h OECD 202
Fish	LC50	Pimephales promelas 60 mg/l, 96 h
Other	EC0	Pseudomonas putida 170 mg/l, 16 h DIN 38412, 8
TRIPHENYL PHOSPHATE (CAS 115-86-6)		
Aquatic		
<i>Acute</i>		
Crustacea	EC50	Daphnia magna 1 mg/l, 48 h EPA 660/3-74-009
	NOEC	Daphnia magna 0.254 mg/l, 21 d OECD 202
Fish	LC50	Oncorhynchus mykiss 0.4 mg/l, 96 h EPA 660/3-75-009
<i>Chronic</i>		
Algae	LOEC	Desmodesmus subspicatus 0.5 - 5 mg/l, 72 h OECD 201
Fish	EC10	Oncorhynchus mykiss 0.037 mg/l, 30 d

* Estimates for product may be based on additional component data not shown.

Persistence and degradability

Biodegradability

Percent degradation (Aerobic biodegradation)

ETHYL ACETATE	94 % OECD 301 D Result: Readily Biodegradable Test Duration: 28 d
ISOPROPANOL	95 % OECD 301 E Result: Readily Biodegradable Test Duration: 21 d
N-BUTYL ACETATE	83 % OECD 301 D Result: Readily Biodegradable Test Duration: 28 d
PROPYL ACETATE	62 % OECD 301 D Result: Readily Biodegradable Test Duration: 5 d
TRIPHENYL PHOSPHATE	83 - 94 % OECD 301 D Result: Readily Biodegradable Test Duration: 28 d

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

ETHYL ACETATE	0.73
ISOPROPANOL	0.05
N-BUTYL ACETATE	1.78
PROPYL ACETATE	2.3 OECD 117
TRIPHENYL PHOSPHATE	1.23
	1.4 OECD 117
	4.59
	4.63

Bioconcentration factor (BCF)

ETHYL ACETATE	30
N-BUTYL ACETATE	15
TRIPHENYL PHOSPHATE	144
	Species: Oncorhynchus mykiss

Bioaccumulation

ETHYL ACETATE	Result: Bioaccumulation is unlikely.
ISOPROPANOL	Result: Bioaccumulation is unlikely.
N-BUTYL ACETATE	Result: Bioaccumulation is unlikely.
PROPYL ACETATE	Result: Bioaccumulation is unlikely.

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.

Hazardous waste code Not regulated.

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

TDG

FINISHED GOODS

UN number UN1266
UN proper shipping name PERFUMERY PRODUCTS, Limited Quantity
Class 3
Subsidiary risk -
Packing group II
Special provisions 59
Transport hazard class(es)
Label(s) Limited Quantity
LTD QTY Net Inner Capacity 5.0 L

BULK

UN number UN1266
UN proper shipping name PERFUMERY PRODUCTS
Class 3
Packing group II
Special provisions 59

IATA

FINISHED GOODS

UN number ID8000
UN proper shipping name CONSUMER COMMODITY
Class 9
Packing group Not applicable.
Environmental hazards No.
ERG Number 9L
Special Provisions A112
Packing instruction (LQ) Y963

BULK

UN number UN1266
UN proper shipping name PERFUMERY PRODUCTS
Class 3
Packing group II
Environmental hazards No.
ERG Number 3L
Special Provisions A3,A72
Packing instruction (LQ) Y341

IMDG

FINISHED GOODS

UN number UN1266
UN proper shipping name PERFUMERY PRODUCTS, Limited Quantity
Transport hazard class(es)
Class 3
Subsidiary risk -
Packing group II

Environmental Hazards

Marine pollutant No.
Transport hazard class(es)
Label(s) Limited Quantity
EmS F-E, S-D
LTD QTY Net Inner Capacity 5.0 L

BULK

UN number UN1266
UN proper shipping name PERFUMERY PRODUCTS
Class 3
Subsidiary risk -
Packing group II
Marine pollutant No.
EmS F-E, S-D

15. Regulatory information**Canadian regulations****Controlled Drugs and Substances Act**

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Precursor Control Regulations

Not regulated.

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

16. Other information

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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.