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Safety Data Sheet

Phenoxyethanol / Ethylhexylglycerin Preservative

For chemical emergency spill, leak, fire, explosure, or accident call CHEMTREC day or night

within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

Section 1: Product and Company Identification Identification

Product:

Chemical Name:	2-phenoxyethanol / 1,2-propanediol, 3-(2-ethylhexyloxy)
INCI Name:	Phenoxyethanol (and) Ethylhexylglycerin
CAS Number:	122-99-6 (and) 70445-33-9
Product Use:	For personal care products as preservative
Chemical Family:	Preservative

Company name Innova Cosmetic Solutions LLC
Address: 18 W Wall St. Frostproof FL 33843
Email: contact@innovacosmeticsolutions.com
Tel: 863-332-9727
www.dermafactors.com

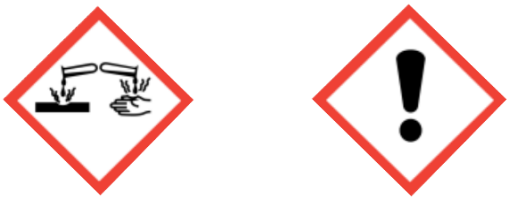
Section 2: Hazards Identification

GHS Classification

Acute toxicity (Oral):	Category 4
Serious eye damage:	Category 1
specific target organ toxicity - single exposure:	Category 3 (Respiratory system)

GHS label elements:

Hazard pictograms:



Signal Word: Danger

Harzard Statement: Harmful if swallowed

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Causes serious eye damage.
May cause respiratory irritation.

Precautionary Statement: If medical advice is needed, have product container or label at hand.

Keep out of reach of chidren.

Read label before use.

Prevention:

Avoid breathing mist or vapors.
Wash skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear eye protection/ face protection.

Respose:

IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Storage:

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

Disposal:

Dispose of contents / containers to an approved waste disposal plant.

Other Hazards: None known

Section 3: Composition / information on Ingredients

Substance / Mixture: Mixture

Hazardous ingredients

Chemical Name	CAS#	Classification	Concentration (%)
2-phenoxyethanol	122-99-6	Acute Tox. 4: H302	≥90 - ≤100
		Eye Dam. 1; H318	
		STOT SE 3; H335	
1,2-propanediol,3-(2-ethylhexyloxy)	70445-33-9	Acute Tox. 4: H332	≥10.00 - < 20.00
		Eye Dam. 1; H318	

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Section 4: First Aid Measures

General advice: Move out of dangerous area.
Consult a physician.
Show this material safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled: If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of skin contact: Wash off with soap and plenty of water.

In case of eye contact: Small amounts splashed into eyes can cause irreversible tissue damage and blindness.
In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Continue rinsing eyes during transport to hospital.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed: Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.
Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed: Harmful if swallowed. Causes serious eye damage. May cause respiratory irritation.
Gastrointestinal discomfort Extremely corrosive and destructive to tissue. tearing Nasal irritation Blurred vision Nausea Local irritation

Notes to physician: Treat symptomatically.

Section 5: Fire Fighting Measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuited extinguishing media: High volume water jet

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Hazardous combustion products:	Carbon dioxide (CO2) Carbon monoxide
Specific extinguishing methods:	Standard procedure for chemical fires
Further information:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus for firefighting if necessary.

Section 6. Accidental Release Measure

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment.
Environmental precautions:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Advice on protection against fire and explosion:	Normal measures for preventive fire protection.
Advice on safe handling:	Avoid the formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating, and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. To avoid spills during handling, keep a bottle on a metal tray. Dispose of rinse water in accordance with local and national regulations.

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Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.
Observe label precautions.
Electrical installations / working materials must comply with the technological safety standards.

Further inforamtion on storage stability: No decomposition if stored and applied as directed.

Section 8. Exposure Controls / Personal Protection

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Respiratory protection: In the case of vapour formation use a respirator with an approved filter within the capabilities of the respirator/filter combination.
Where concentrations are above recommended limits or are unknown, or a cartridge type respirator is not adequate, wear a positive-pressure supplied-air respirator.

Hand protection:

Material: Butyl-rubber

Break through time: 480 min

Glove thickness: > 0.5 mm

Remarks: The exact break-through time can be obtained from the protective glove producer, and this must be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

Eye protection: Tightly fitting safety goggles
Eye wash bottle with pure water

Skin and body protection: Work uniform or laboratory coat.

Hygiene measures: When using, do not eat or drink.
When using, do not smoke.
Wash hands before breaks and at the end of the workday.

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Section 9. Physical and Chemical Properties

Appearance:	Liquid
Physical state:	Liquid
Color:	Colorless
Odor:	Characteristic
Odor threshold:	Not determined
pH:	6 - 8 (20 °C) Concentration: 10 g/l
Melting point/freezing point:	5°C (41°F)
Boiling point/boiling range:	> 100°C (ISO 2719)
Flash Point:	> 100°C (Method: ISO 2719)
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Flammability (liquids):	Not determined
Flammability (Liquide):	Not applicable
Flammability (Liquide) Upper explosion limit:	Upper explosion limit: not determined
Lower explosion limit:	Lower explosion limit: not determined not dtermined
Vapor pressure:	Not determined
Relative vapor density:	Not determined
Relative density:	Not determined
Density:	1.087 - 1.092g/ml (20°C)
Solubility (ies):	
Water solubility:	10g/L (20°C)
Solubility in other solvents:	No data available
Partition coefficient: n-octanol/water:	Not applicable
Thermal decomposition:	No data available
Viscocity:	
Visocity, dynamic:	28 mPa.s
Visocity, kinematic:	Not detemined
Flow time:	< 15 s at 20 °C (Method: DIN 53211)
Explosive properties:	Not explosive
Surface tension:	34mN/m
Molecular weight	No data availabel

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Section 10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical stability: Stable under normal conditions

Possibility of hazardous reaction: Vapors may form explosive mixture with air.

Conditions to avoid: Protect from frost, heat, and sunlight

Incompatible materials: Oxidizing agents

Hazardous decomposition products: Carbon dioxide (CO2), Carbon monoxide

Section 11. Toxicological Information

Information on likely routes of exposure: Inhalation
Eye contact
Skin contact
Ingestion

Acute toxicity: Harmful if swallowed

Components:

2-PHENOXYETHANOL:

Acute oral toxicity: LD50 (Rat, male): 1,394 mg/kg

Acute inhalation toxicity: Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity: LD50 (Rat): 14,391 mg/kg

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Acute oral toxicity: LD50 (Rat): > 2,000 mg/kg
Remarks: Information given is based on data obtained from similar substances.

Acute inhalation toxicity: LC50 (Rat): 3.07 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Acute dermal toxicity: LD50 (Rat): > 2,000 mg/kg
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

Skin corrosion/irritation: Not classified based on available information.

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Remarks: Extremely corrosive and destructive to tissue

Components:

2-PHENOXYETHANOL:
Species: Rabbit
Result: No skin irritation

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):
Species: Rabbit
Result: Slight, transient irritation

Serious eye damage/eye irritation: Causes serious eye damage

Product: Remarks: May cause irreversible eye damage

Components:

2-PHENOXYETHANOL:
Species: Rabbit
Result: Corrosive

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):
Species: Rabbit
Result: Corrosive
Method: OECD Test Guideline 405

Respiratory or skin sensitization: Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

Components:

2-PHENOXYETHANOL:
Species: Guinea pig
Assessment: Does not cause skin sensitization.
Method: OECD Test Guideline 406

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):
Species: Guinea pig
Assessment: Does not cause skin sensitization.
Method: OECD Test Guideline 406

Germ cell mutagenicity: Not classified based on available information.

Components:

2-PHENOXYETHANOL:

Genotoxicity *in vitro* : Test Type: Ames test
Test species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

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Genotoxicity in vitro: Test Type: Ames test
Test species: Salmonella typhimurium
Metabolic activation: with and without metabolic activation
Result: negative

Genotoxicity in vivo: Test Type: Micronucleus test
Test species: Mouse (male and female)
Method: OECD Test Guideline 474
Result: negative

Carcinogenicity: Not classified based on available information

Reproductive toxicity: Not classified based on available information

Components:

2-PHENOXYETHANOL:

Effects on fetal development: Test Type: Pre-natal
Species: Rat
Application Route: Oral
General Toxicity Maternal: NOAEL (No observed adverse effect level): ca. 300 mg/kg bw/day
Method: OPPTS 870.3700

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Effects on fetal development: Species: Rat
Strain: Sprague-Dawley
Application Route: Oral
General Toxicity Maternal: NOAEL (No observed adverse effect level): 800 mg/kg bw/day
Method: OECD Test Guideline 414

Species: Rat
Strain: Sprague-Dawley
Application Route: Oral
General Toxicity Maternal: NOAEL (No observed adverse effect level): 50 mg/kg bw/day
Method: OECD Test Guideline 414

STOT - single exposure: May cause respiratory irritation.

Components:

2-PHENOXYETHANOL:

Assessment: May cause respiratory irritation.

STOT-repeated exposure: Not classified based on available information.

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Repeated dose toxicity

Components:

2-PHENOXYETHANOL:
Species: Rat, male and female
NOAEL: 369 mg/kg
Application Route: Oral
Method: OECD Test Guideline 408

Species: Rabbit, male and female
NOAEL: 500 mg/kg
Application Route: Dermal

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):
Species: Rat, male and female
No-observed-effect level: 100 mg/kg
Application Route: Oral
Exposure time: 28 d
Method: OECD Test Guideline 407

Aspiration toxicity: Not classified based on available information

Further Information

Product: Remarks: No data available

Carcinogenicity:

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Section 12. Ecological Information

Ecotoxicity

Product:

Ecotoxicology Assessment
Short-term (acute) aquatic hazard: Not classified based on available information.

Long-term (chronic) aquatic hazard: Not classified based on available information.

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Components:

2-PHENOXYETHANOL:

Toxicity to fish:	LC50 (Pimephales promelas (fathead minnow)): 337 - 352 mg/l Exposure time: 96 h Test Type: flow-through test
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae:	NOEC (Desmodesmus subspicatus (green algae)): > 500 mg/l End point: Growth inhibition Exposure time: 72 h Test Type: static test
Toxicity to fish (Chronic toxicity):	NOEC (Pimephales promelas (fathead minnow)): 23 mg/l Exposure time: 34 d Test Type: flow-through test Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	NOEC (Daphnia): 9.43 mg/l Exposure time: 21 d End point: Reproduction Test Test Type: semi-static test Method: OECD Test Guideline 211

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Toxicity to fish:	LC50 (Danio rerio (zebra fish)): 60.2 mg/l Exposure time: 96 h Test Type: static test Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates:	EC50 (Daphnia magna (Water flea)): 78.3 mg/l Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202
Toxicity to algae:	IC50 (Desmodesmus subspicatus (green algae)): 48.3 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201
Toxicity to fish (Chronic toxicity):	NOEC: 1.5 mg/l Exposure time: 35 d Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):	NOEC (Daphnia magna (Water flea)): 20 mg/l Exposure time: 21 d Method: OECD Test Guideline 211
Toxicity to bacteria	EC0: 560 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

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Ecotoxicology Assessment Short-term (acute) aquatic hazard	Harmful to aquatic life.
Long-term (chronic) aquatic hazard:	Harmful to aquatic life with long lasting effects.

Persistence and degradability

Components:

2-PHENOXYETHANOL:

Biodegradability	Result: Readily biodegradable. Biodegradation: 99 % Exposure time: 28 d Method: OECD Test Guideline 301F

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Biodegradability:	Result: Inherently biodegradable. Method: OECD Test Guideline 302B

Bioaccumulative potential

Components:

2-PHENOXYETHANOL:

Partition coefficient: n-octanol/water:	log Pow: 1.16

1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY):

Bioaccumulation:	Remarks: No bioaccumulation is to be expected (log Pow <= 4).
Partition coefficient: n-octanol/water:	log Pow: 2.53 (20 °C)

Mobility in soil

Components:

No data available

Other adverse effects:

Product:

Additional ecological information:	No data available

Components:

2-PHENOXYETHANOL:

Results of PBT and vPvB assessment:	This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

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Section 13. Disposal Considerations

Disposal methods

General Advice: Do not dispose of waste into sewer.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging: Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Section 14. Transport Information

International transport regulations

U.S. DOT - ROAD:	Not dangerous goods
CFR_RAL_C:	Not dangerous goods
U.S.DOT - INLAND WATERWAYS:	Not dangerous goods
TDG_ROAD_C:	Not dangerous goods
TDG)RAIL_C:	Not dangerous goods
TDG_INWT_C:	Not dangerous goods
INTERNATIONAL MARITIME DANGEROUS GOODS:	Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO:	Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER:	Not dangerous goods
MX_DG:	Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Marine pollutant	no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

Section 15. Regulatory Information

TSCA List

No substances are subject to a Significant New Use Rule.

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No substances are subject to TSCA 12(b) export notification requirements.

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards	Acute toxicity (any route of exposure) Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure)
SARA 302	This material does not contain any components with a section 302 EHS TPQ.
SARA 313	The following components are subject to reporting levels established by SARA Title III, Section 313: 2-PHENOXYETHANOL 122-99-6 90.00 %

Pennsylvania Right To Know

2-PHENOXYETHANOL	122-99-6
1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY)	70445-33-9

New Jersey Right To Know

2-PHENOXYETHANOL	122-99-6
1,2-PROPANEDIOL, 3-(2-ETHYLHEXYLOXY)	70445-33-9

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

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Section 16. Additional Information

Full text of H-Statements and other abbreviations:

H302	harmful if swallowed
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H412	harmful to aquatic life with long-lasting effects
Acute Tox.	Acute toxicity
Aquatic Chronic	Long-term (chronic) aquatic hazard
Eye Dam.	Serous eye damage
Eye Irrit.	Eye irritation

Legal Disclaimer

All the information in this document is based on information provided by the manufacture and to the best of our current knowledge. It is intended only as a reference to the appropriate precautionary material handling by a properly trained person using this product.

This product must not be used for any purposes other than those specified under heading 1 since we are unaware of the user's working conditions and have no control over how this product is used. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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