



Material Safety Data Sheet

Section 1: Identification

Product Name: E-Liquid with Nicotine

Contact Information:

ECBlend, LLC

Administrative Offices 406 S Riverside
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1-541-393-980

Online: www.ecblend.com

**EMERGENCY: If swallowed, call your
Poison Control Center at 1-800-222-1222**

Section 2: Hazards Identification

Mixture Classification:



Toxic



Environmentally Damaging

Primary Hazardous Component: Nicotine

Acute toxicity, Oral (Category 2), H300
Acute toxicity, Dermal (Category 1), H310

Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

Signal word: Danger

Hazard Statements:

Fatal if swallowed
Fatal in contact with skin
Very toxic to aquatic life with long lasting effects

Precautionary statements:

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Do not get in eyes, on skin, or on clothing
Wash thoroughly after handling
Do not eat, drink, or smoke when using this product
Avoid release to the environment
Wear protective gloves/protective clothing/eye protection/face protection
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Gently wash with plenty of soap and water
Wash contaminated clothing before reuse
Collect spillage
Store locked up
Dispose of contents and container to an approved waste disposal plant

Section 3: Composition/Information on Ingredients

Ingredient	Chemical Name	Formula	CAS#	Amount (% Weight per Volume)
Propylene Glycol, USP	1,3-propanediol	C3H8O2	57- 55-6	*
Glycerin, USP	1,2,3-propanetriol	C3H8O3	56- 81-5	*
Nicotine - 3 - 36 mg/mL	3-(1-methyl-2-pyrrolidinyl)pyridine	C10H14N2	54- 11-5	0.3 - 3.6**
Natural and Artificial Flavors	-	-	-	*

* The exact percentage (concentration) of composition has been withheld as a trade secret

**Nicotine % by weight (mg) per volume (mL): refer to container and packaging for listing exact nicotine concentration. Nicotine concentrations are 0.3%mg/mL, 0.6%mg/mL, 1.2%mg/mL, 1.8%mg/mL, 2.4%mg/mL, 3.6%mg/mL

Section 4: First Aid Measures

Eyes: Protect unexposed eye. Rinse/Flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

Skin: Rinse/Flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.

Inhalation: Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.

Ingestion: Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation discomfort, or vomiting persists. Never give anything by mouth to an unconscious person.

Symptoms: The most common symptoms of Nicotine over exposure are nausea, vomiting, rapid heart rate, pale skin, headache, dizziness, and confusion. Skin and eye exposure symptoms also include irritation and redness. Seek medical attention if needed.

Section 5: Firefighting Measures

Suitable Extinguishing Agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

Special Hazards: Thermal decomposition can lead to release of irritating gases and vapors.

Protective Equipment: Wear protective eye-ware, gloves, and clothing. Use NIOSH-approved respiratory protection/breathing apparatus.

Section 6: Accidental Release Measures

Small Spill: Dilute with water and mop or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of according to local, state, and federal regulations.

Large Spill: Stop leak if without risk. Do not touch spilled material. Use a light water spray to reduce vapors. Prevent entry into sewers, basements or confined areas. Eliminate all ignition sources. Mop up while diluting with water, or absorb with an inert dry material such as sand, cat litter, Diatomite, sawdust, etc. Collect and place in bags and dispose of according to local, state, and federal regulations.

Section 7: Handling and Storage

Precautions for Safe Handling: Keep out of reach of children. Keep in manufacturing container. Do not tamper with the manufacturing label. Avoid contact with skin, eyes, and clothing. Follow good hygiene

Conditions for Safe Storage: Store in a cool dark location. Keep away from food and beverages. Keep container tightly sealed.

Section 8: Exposure Controls / Personal Protection

Eye/Face Protection: Wear NIOSH approved safety glasses or goggles.

Skin Protection: Wear gloves impermeable to material. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.

General Hygiene Measures: Avoid skin, eye, and clothing contact. Wash hands before and after handling.

Section 9: Physical and Chemical Properties

Physical State and Appearance: Oily Liquid.

Odor: Varies by flavor. Generally, smells like the flavor on the manufacturing label. Can smell like natural and artificial flavoring.

Taste: Acrid.

Color: Varies by flavor. Generally colorless to slightly colored, though can be much darker and non-transparent.

Section 10: Stability and Reactivity

Chemical Stability: This product is stable under normal conditions.

Conditions of Instability: Heat, Fire, or other ignition sources, incompatible materials.

Incompatible Materials: Reacts with oxidizing agents and acids.

Section 11: Toxicology Information

Routes of Entry: Absorbed through skin, inhaled, ingested, eye contact.

Toxicity to Animals:

Nicotine: Acute toxicity (LD50) in rats (50 mg/kg) and mice (3 mg/kg).

Propylene Glycol: Acute oral toxicity (LD50) in rats (8-46 g/kg), mice (25-32 g/kg), and guinea pigs (18-20g/kg).

Section 12: Ecological Information

Environmental exposure controls: Should not be allowed to reach large quantities of ground water, sewage, waste water or soil. Very toxic to aquatic life.

Toxicity to Fish: Nicotine: (LC50) – Rainbow Trout (4mg/L)

Section 13: Disposal Considerations

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transportation Information

UN-Number: Nicotine: 1654

Section 15: Regulatory Information

Not currently regulated by the USFDA.
The USFDA intends to regulate E-Liquid in the future.

Section 16: Other Information

Acrid Taste. Does not taste good. Nicotine gives a burning sensation when ingested. E-Liquid with Nicotine content over 36mg/mL is not recommended for inhalation.

Revision History:

Updated May 22, 2018:

Updated toxicological statements, section order, composition format, hazard warnings, firefighting measures, ecological information, safety information.

MSDS UPDATED August 12, 2015

Added 3mg nicotine content

MSDS created March 25, 2014

ECBlend, LLC

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