

# Safety Data Sheet

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## Section 1: Chemical Product and Company Information

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**Product:** Flavoring  
AMSTERDAM

**Contact Information:** **Euroflavor**  
5229 Langfield Rd,  
Houston, TX 77040  
1-877-599-EURO

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## Section 2: Hazards Identification

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**GHS Precaution Phrases:** No phrases apply.  
**GHS Response Phrases:** No phrases apply.  
**GHS Storage and Disposal Phrases:** No phrases apply.  
**GHS Hazard Phrases:** No phrases apply.  
**GHS Signal Word:** None  
**Potential Health Effects (Acute and Chronic):** No data available.  
**Eye Contact:** May cause eye burns.  
**Skin Contact:** May cause skin irritation.  
**Ingestion:** May be harmful if swallowed.

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## Section 3: Composition and Information on Ingredients

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**Ingredients:** Propylene Glycol (CAS 57-55-6)  
Glycerin (CAS 56-81-5)  
Natural and Artificial Flavors

**Mixture:** Bottles contain less than or equal to the concentration printed on the label. (Main ingredients are Propylene Glycol, abbreviated PG, and (Vegetable) Glycerin, abbreviated VG. Propylene Glycol and Glycerin are both inert and GRAS by the USFDA.)

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## Section 4: First Aid Measures

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<b>In Case of Eye Contact:</b>	Flush the eyes with water or eye wash solution at least for 15 minutes, lifting lower and upper eyelids occasionally.
<b>In Case of Skin contact:</b>	Wash skin with soap and water. Remove any soiled clothing and wash thoroughly before reuse.
<b>In Case of Ingestion:</b>	Rinse mouth thoroughly.
<b>Signs and Symptoms of Exposure:</b>	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated
<b>Note to Physician:</b>	Persons with impaired kidney function may be more susceptible to the effects of this substance. Treat symptomatically and supportively.

## Section 5: Firefighting Measures

<b>Fire Fighting Media and Instructions:</b>	Wear full protective equipment and self-contained breathing apparatus with independent air circulation if a large amount of material is exposed to fire. Containers exposed to fire or high temperatures may release toxic fumes.
<b>Suitable Extinguishing Media:</b>	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

## Section 6: Accidental Release Measures

Should restrict access to non-emergency personnel to the area of failure until the completion of the disposal of the product. Wear appropriate personal protective equipment.

<b>Small Spill:</b>	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
<b>Large Spill:</b>	Eliminate all ignition sources. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

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## Section 7: Handling and Storage

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Keep out of reach of children. Keep in manufacturing container. Do not tamper with the manufacturing label. Avoid contact with skin and eyes.

### Handling Precautions

**Safe Handling:**

Do not allow getting into eyes, on skin and on clothing. Avoid prolonged or repeated exposure.

**Environment:**

Avoid runoff into storm sewers and ditches which lead to waterways.

**Incompatibility:**

Keep away from oxidizing agents and strong acids.

### Storage Precautions

**Temperature:**

Store between 60°F - 80°F. Keep away from high heat. Sunlight: Store protected from sunlight and artificial light.

**Humidity:**

Store in a cool dry place protected from moisture.

**Ventilation:**

Provide adequate ventilation. Keep away from fumes.

**Packaging:**

Store in tightly closed containers. Do not reuse containers.

### Risk Management

**Corrosive Conditions:**

Non corrosive in presence of glass.

**Flammability Hazards:**

Emits toxic fumes under fire conditions. Evaporative Conditions: Keep surrounding cool and well ventilated. Ignition Sources: Keep away from potential sources of ignition.

**Specific Use:**

Refill liquid for use in electronic cigarettes.

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## Section 8: Exposure Controls / Personal Protection

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<b>Engineering Controls:</b>	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
<b>Personal Protection:</b>	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
<b>Personal Protection:</b>	(Large Spills) Splash goggles, full suit, vapor respirator, boots and gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
<b>Exposure Limits:</b>	Propylene Glycol, USP United States (AIHA) 10 mg/m <sup>3</sup> Glycerin, USP United States (OSHA) 15 mg/m <sup>3</sup>

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## Section 9: Physical and Chemical Properties

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<b>Physical State and Appearance:</b>	Oily Liquid.
<b>Odor:</b>	Can smell like natural and artificial flavoring.
<b>Taste:</b>	Acrid.
<b>Color:</b>	Varies by flavor. Generally colorless to slightly colored, though can be much darker and non-transparent.
<b>Melting Point:</b>	No data.
<b>Boiling Point:</b>	No data.
<b>pH:</b>	5.20
<b>Flash Point (°C) :</b>	56.5
<b>Specific Gravity:</b>	1.05

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## Section 10: Stability and Reactivity

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<b>Chemical Stability:</b>	This product is stable under normal conditions.
<b>Conditions of Instability:</b>	Heat, Fire, or other ignition sources, incompatible materials.

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## Section 11: Toxicology Information

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<b>Routes of Entry:</b>	Absorbed through skin, inhaled, ingested, eye contact.
<b>Toxicity to Animal:</b>	<b>Propylene Glycol, USP</b> Oral, Rat: LD50 = 20,000 mg/kg Oral, Mouse: LD50 = 22,000 mg/kg Dermal, Rabbit: LD50 = 20,800 mg/kg  <b>Glycerin, USP</b> Oral, Rat: LD50 = 12,600 mg/kg Oral, Mouse LD50 = 4,090 mg/kg Dermal, Rabbit: LD50 = 10,000 mg/kg Mist, Rat LC50 = 570 mg/m <sup>3</sup> / 1 hour (Based on 4-hour exposure)

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## Section 12: Ecological Information

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<b>Propylene Glycol, USP Toxicity:</b>	Fish (Oncorhynchus mykiss) 96 h: LC50 = 40,613 mg/l Water Flea (Ceriodaphnia Dubia) 48 h: LC50 = 18,340 mg/l
<b>Degradability:</b>	Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Biodegradation may occur under anaerobic conditions (in the absence of oxygen).
<b>Accumulation:</b>	Bioconcentration potential is low (BCF < 100 or Log P <sub>ow</sub> < 3)
<b>Log P<sub>ow</sub> used:</b>	1.07 EU Method A.8 (Partition Coefficient)
<b>Bioconcentration Factor (BCF):</b>	0.09; Estimated.
<b>Mobility in Soil:</b>	Given its very low Henry's constant, volatilization from natural bodies of water or moist soil is not expected to be an important fate process., Potential for mobility in soil is very high (K <sub>oc</sub> between 0 and 50).
<b>K<sub>oc</sub>:</b>	< 1 (estimated)
<b>Henry's Law Constant (H):</b>	1.2E-08 atm*m <sup>3</sup> /mole Measured
<b>Glycerin, USP Toxicity:</b>	No aquatic environmental information is available on this product.
<b>Degradability:</b>	This product is completely biodegradable.

<b>Accumulation:</b>	Bioaccumulation of this product has not been determined.
<b>Mobility in Soil:</b>	Mobility of this material has not been determined. Low potential for sorption to soil. Glycerin will partition primarily to water.

### Section 13: Disposal Considerations

Must be disposed of in accordance with federal, state and local environmental control regulations.

<b>Sewage Disposal:</b>	Avoid release to environment. Do not wash away into sewer.
<b>Chemical Properties:</b>	Substance is hygroscopic and should not be allowed to come in contact with moisture/water.

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste.

### Section 14: Transportation Information

Handle with care. Flavorings are exempted from dangerous goods. It is considered non-dangerous by the international civil aviation organization (ICAO), the international air transport association (IATA), or the international maritime dangerous goods regulation (IMDG).

<b>Land Transport (US DOT)</b>	
<b>DOT Proper Shipping Name:</b>	Not Regulated.
<b>DOT Hazard Class:</b>	
<b>UN/NA Number:</b>	
<b>LAND TRANSPORT (Canadian TDG):</b>	
<b>TDG Shipping Name:</b>	Not Regulated.
<b>LAND TRANSPORT (European ADR/RID):</b>	
<b>ADR/RID Shipping Name:</b>	Not Regulated.
<b>MARINE TRANSPORT (IMDG/IMO):</b>	
<b>IMDG/IMO Shipping Name:</b>	Not Regulated.
<b>AIR TRANSPORT (ICAO/IATA):</b>	
<b>ICAO/IATA Shipping Name:</b>	Not Regulated

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## Section 15: Regulatory Information

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<b>Clean Air Act:</b>	Does not contain any hazardous air pollutants. Does not contain any Class 1 Ozone depleters. Does not contain any Class 2 Ozone depleters.
<b>Clean Water Act:</b>	None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
<b>OSHA:</b>	Not considered highly hazardous by OSHA.

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## Section 16: Other Information

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**Revision Date:** 01/11/2016

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