

**M A T E R I A L   S A F E T Y   D A T A   S H E E T**PRODUCT CODE: #51349  
PRODUCT NAME: EVENING SHADEH 1  
F 1  
R 1  
P B**SECTION 1 - MANUFACTURERS IDENTIFICATION**MANUFACTURERS'S NAME: BELLE-AIRE FRAGRANCES, INC. INFORMATION PHONE: 847-816-3500  
ADDRESS: 1600 BASKIN ROAD FAX NUMBER: 847-816-7695  
MUNDELEIN, IL 60060 EMERGENCY PHONE: 800-535-5053 (INFOTRAC)  
USACAS # : Not Applicable.  
PRODUCT TYPE : Perfumery Compound (mixture)**SECTION 2 - HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW:**

At high temperatures, if vapors build up, this product could be flammable. Static electrical charges created by emptying product from containers or near open flames could cause a flash fire. Vapors / fumes generated by heat or evaporation may also cause eye irritation and/or respiratory irritation with throat discomfort, coughing or difficulty breathing.

**ROUTES OF ENTRY:**

Skin Contact, Eye Contact, Inhalation, Ingestion.

**ACUTE HEALTH HAZARDS:**

May be irritating to skin, eyes and respiratory system.

**CHRONIC HEALTH HAZARDS:**

Unknown

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**

Not established. Unnecessary exposure to this product or any chemical should be avoided. Persons with pre-existing skin or lung disorders may be more susceptible to irritating effects.

**CARCINOGENICITY:**OSHA: No  
ACGIH: No  
NTP: No  
IARC: No  
OTHER: No**SECTION 3 - COMPOSITION INFORMATION ON INGREDIENTS****INGREDIENTS:**

The identity of the specific components of this mixture is proprietary information and is regarded to be a trade secret, in accordance with Paragraph 1910.1200 of Title 29 of the Code of Federal Regulations. Please refer to Section 3 for Health Hazard Identification.

**SECTION 4 - FIRST AID MEASURES****EYES:**

Immediately flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

**SKIN:**

Remove contaminated clothing. Wash affected areas with plenty of soap and water. If irritation develops, seek medical attention.

**INGESTION:**

Drink water or milk to dilute. Seek medical attention immediately. DO NOT induce vomiting unless instructed by a qualified health professional.

**INHALATION:**

Remove from exposure to fresh air. If breathing has stopped or is difficult, administer artificial respiration and oxygen if available. Seek medical attention immediately.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

In the event of a genuine medical emergency, additional information will be revealed to a qualified health professional.

**SECTION 5 - FIRE FIGHTING MEASURES**

**FLASH POINT:**

FAHRENHEIT:

&gt;212

CELSIUS:

&gt;100

**METHOD USED:**

ASTM D6450 - Continuous Closed Cup

**FLAMMABLE LIMITS:**

Not Determined.

**EXTINGUISHING MEDIA:**

Carbon Dioxide, Dry Chemical, Foam, or other NON-Aqueous material.

**SPECIAL FIRE FIGHTING PROCEDURES:**

Treat as a chemical fire. Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Empty containers retain product residue (liquid or vapor) and can be dangerous. They should be rinsed with water and disposed of properly. Soaked rags or paper may pose a spontaneous combustion hazard in unsealed trash receptacles.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon dioxide, Carbon monoxide, Acrid fumes, and other unidentified organic compounds.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES****ACCIDENTAL RELEASE MEASURES:**

Eliminate all ignition sources. Ventilate area. Contain spill and absorb spill onto inert material. Place material into a suitable container and dispose of in accordance with local regulations. DO NOT leave soaked rags or paper in unsealed receptacles as spontaneous combustion may sometimes occur under certain circumstances.

**SECTION 7 - HANDLING AND STORAGE****HANDLING AND STORAGE:**

Use splash goggles or face shield when eye contact is possible. Respiratory protection is not generally required, if desired use NIOSH approved organic vapor respirator. Use chemical resistant gloves as needed to avoid prolonged or repeated contact. Store in a cool, dry, well ventilated area away from all sources of heat or flame.

**SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION****VENTILATION:**

General, meeting ACGIH criteria as needed to control vapor.

**RESPIRATORY PROTECTION:**

None generally required. If desired wear a NIOSH approved respirator.

**EYE PROTECTION:**

Use splash goggles or face shield when eye contact may occur.

**SKIN PROTECTION:**

Use chemical resistant gloves as needed to avoid prolonged or repeated contact. Use of a rubber apron is recommended when handling large quantities of this material.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

None generally required.

**WORK/HYGIENIC PRACTICES:**

Good personal hygiene practices should be used. Wash hands after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before using again.

**EXPOSURE GUIDELINES:**

This material is intended for manufacturing use only. Contaminated equipment should be cleaned with soap and water. Do not discharge wash water into lakes, streams, ponds, or public waters.

**SECTION 9 - PHYSICAL CHARACTERISTICS****APPEARANCE / STATE:**

Clear Liquid

**ODOR:**

Characteristic

**EVAPORATION RATE:**

Less than 1

**PERCENT VOC:**

Not determined

**SPECIFIC GRAVITY:**

1.000 - 1.040

**VAPOR PRESSURE (mmHg @ 20 C):**

Not determined

**SOLUBILITY (IN WATER):**

NO

**PERCENT HYDROCARBONS:**

Not determined

**REFRACTIVE INDEX @ 25 C:**

1.4912 - 1.4962

**VISCOSITY (FORD #1 @25 C):**

Not determined

**SECTION 10 - STABILITY AND REACTIVITY****STABILITY:**

Product is stable under normal storage and use.

**CONDITIONS TO AVOID (STABILITY):**

Excessive heat, sparks or open flame.

**INCOMPATIBILITY (MATERIAL TO AVOID):**

Strong oxidizing agents, or contamination with strong acids or alkalis.

**HAZARDS POLYMERIZATION:**

Will not occur.

**SECTION 11 - TOXICOLOGICAL INFORMATION****ACUTE TOXICITY:**

Prolonged contact with the undiluted material may cause irritation.

**CHRONIC TOXICITY:**

Not Determined.

**THRESHOLD LIMIT VALUE:**

Not Available.

**EFFECTS ON OVER EXPOSURE:**

Not Known.

**SECTION 12 - ECOLOGICAL INFORMATION****ECOTOXICITY:**

No information is available.

**ENVIRONMENTAL FATE:**

No information is available.

**SECTION 13 - DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:**

This material, if discarded, is not considered to be hazardous waste by EPA regulations 40 CFR 261.

**SAFE HANDLING OF WASTE:**

Refer to section 8 for information pertaining to personal protective equipment and exposure controls when handling this material for disposal.

**COMMUNITY PROVISIONS:**

Dispose of this material at a local, state or federally approved landfill, incinerator or recovery facility.

**SECTION 14 - TRANSPORT INFO****U.S. DEPARTMENT OF TRANSPORTATION:**

IN ACCORDANCE WITH PART 172.101 OF TITLE 49 OF THE FEDERAL CODE OF REGULATIONS.

PROPER SHIPPING NAME: To be determined

ID NUMBER: To be determined.

HAZARD CLASS: To be determined.

PACKING GROUP: To be determined.

MARINE POLLUTANT: To be determined.

**SECTION 15 - REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS****TSCA (USA TOXIC SUBSTANCE CONTROL ACT):**

All ingredients in this mixture are listed on the TSCA inventory.

**SARA TITLE III (SUPERFUND AMMENDMENTS AND REAUTHORIZATION ACT) :****311/312 HAZARD CATEGORIES**

FIRE:	Yes
REACTIVITY:	No
SUDDEN RELEASE OF PRESSURE:	No
IMMEDIATE (ACUTE):	Yes
DELAYED (CHRONIC):	No

**SARA SECTION 313**

This mixture contains the following toxic chemical(s) subject to the reporting requirements of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

GENERIC CHEMICAL NAME	CAS NUMBER	% BY WT.
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\*\*\* NO reportable quantities of ingredients are present \*\*\*

**STATE REGULATIONS****RIGHT TO KNOW:**

The identities of the ingredients of this mixture are proprietary and are considered to be trade secrets.

**CALIFORNIA PROPOSITION 65:**

This mixture contains the following chemical(s) subject to the reporting requirements of the Safe Drinking Water and Toxic Enforcement Act of 1986:

GENERIC CHEMICAL NAME	CAS NUMBER	% BY WT.
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\*\*\* NO reportable quantities of ingredients are present \*\*\*

**INTERNATIONAL REGULATIONS**

INGREDIENTS IN THIS MIXTURE CAN BE FOUND ON THE FOLLOWING GLOBAL INVENTORIES:

European Community (EINECS):	Yes
Canada (DSL):	Yes
Canada (NDSL):	No
Australia (AICS):	Yes
China (SEPA/CICS):	Yes
Japan (IEC):	Yes
Korea (KECI/ECL):	To be determined.
Philippines (PICCS):	To be determined.

WHMIS:      D2B

**SECTION 16 - OTHER INFORMATION****DISCLAIMER:**

The information in this MSDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness and accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Belle-Aire's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising out of the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this MSDS. Various government agencies (e.g. DOT, EPA, FDA) may have specific regulations concerning the transportation, handling, storage, use or disposal of this product, which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.

\*NOTE: THIS MSDS SUPERCEDES ALL PREVIOUSLY DATED DOCUMENTS.



UNIVAR

## Material Safety Data Sheet

NR05363

PROPYLENE GLYCOL USP/EP

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Id:** NR05363

**Product Name:** PROPYLENE GLYCOL USP/EP

**Synonyms:** None

**Chemical Family:** Aliphatic polyhydric alcohol / aliphatic dihydric alcohol / aliphatic diol / glycol

**Application:** Humectant and solvent for: Foodstuffs. Flavours. Fragrances. Cosmetics. Pharmaceuticals. Personal care applications. Not for use in cat food.

**Distributed By:**

Univar Canada Ltd.  
9800 Van Horne Way  
Richmond, BC  
V6X 1W5

**Prepared By:** The Safety, Health and Environment Department of Univar Canada Ltd.

**Preparation date of MSDS:** 03 March 2009

**Telephone number of preparer:** 1-866-686-4827

**24-Hour Emergency Telephone Number (CANUTEC):** (613) 996-6666

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percentage (W/W)	LD50s and LC50s Route & Species:
Propylene glycol 57-55-6	>99.8	Oral LD50 (Rat) = 20000 mg/kg Dermal LD50 (Rabbit) = 20800 mg/kg

**Note:** No additional remark.

### 3. HAZARDS IDENTIFICATION

**Potential Acute Health Effects:**

**Eye Contact:** May cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Vapour or mist may cause eye irritation.

**Skin Contact:** Prolonged contact is essentially non irritating to skin. Repeated contact may cause flaking and softening of skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts.

**Inhalation:** At room temperature, exposure to vapor is minimal due to low volatility. Mist may irritate nose and throat.

**Ingestion:** Low toxicity. Small amounts swallowed incidental to normal handling operations are not likely to cause injury.

NR05363

PROPYLENE GLYCOL USP/EP

Page 1 of 6

#### 4. FIRST AID MEASURES

**Eye Contact:** Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

**Skin Contact:** Wash skin with plenty of water.

**Inhalation:** Remove to fresh air if effects occur. Consult a physician.

**Ingestion:** No first aid should be needed.

**Notes to Physician:** Treatment based on sound judgment of physician and individual reactions of patient.

#### 5. FIRE FIGHTING MEASURES

**Flash Point:** 103 °C / 217.4 °F

**Flash Point Method:** Pinsky-Martens Closed Cup

**Autoignition Temperature:** 400 °C / 752 °F

**Flammable Limits in Air (%):** Lower: 2.6% Upper: 12.5%

**Extinguishing Media:** Water fog or fine spray, carbon dioxide, dry chemical, foam. Alcohol resistant foams (ATC type) are preferred if available. General purpose synthetic foams (including AFFF) or protein foams may function, but much less effectively. Do not use direct water stream, which will spread fire.

**Special Exposure Hazards:** Isolate and restrict area access. Use water spray to cool fire-exposed containers and structures. Fight fire from a safe distance and from a protected location. Consider use of unmanned hose holder or monitor nozzles. Withdraw immediately in case of rising sound from venting safety devices or discoloration of tank. Always stay away from the end of tanks. Container may rupture from gas generation in a fire situation. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids.

**Hazardous Decomposition/Combustion Materials (under fire conditions):** Decomposition products can include and are not limited to: Carbon monoxide. Carbon dioxide.

**Special Protective Equipment:** Fire fighters should wear full protective clothing, including self-contained breathing equipment.

**NFPA RATINGS FOR THIS PRODUCT ARE:** HEALTH 0, FLAMMABILITY 1, INSTABILITY 0

**HMIS RATINGS FOR THIS PRODUCT ARE:** HEALTH 0, FLAMMABILITY 1, REACTIVITY 0

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautionary Measures:** Wear appropriate protective equipment.

**Environmental Precautionary Measures:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. Consult local authorities.

**Procedure for Clean Up:** Isolate hazard area and restrict access. Contain spilled material if possible. Large spills or leaks should be confined by diking. Pump spilled material into suitable containers for removal. Flush area with water, contain and remove cleanup liquid. Small amounts of spilled liquid may be absorbed using appropriate absorbent material. Spilled material may cause floors and contact surfaces to become slippery.

#### 7. HANDLING AND STORAGE

**Handling:** Product shipped/handled hot can cause thermal burns. Product handled hot may require additional ventilation or local exhaust. Spills of these organic liquids on hot fibrous insulations may lead to lowering of the autoignition temperature possibly resulting in spontaneous combustion.

**Storage:** Store in a cool dry place. Keep away from direct sunlight or strong incandescent light. Keep containers tightly closed. Protect against moisture. Store in the following material(s): Stainless steel. Aluminum. Plaste 3066 lined container. 316 stainless steel. Opaque HDPE plastic container. Product has a shelf life of 24 months. The maximum storage temperature is 40°C.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

Provide general and/or local exhaust ventilation to control airborne levels below the exposure guidelines.

**Respiratory Protection:** Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, use an approved air-purifying or positive-pressure supplied-air respirator depending on the potential airborne concentration. In misty atmospheres, use an approved organic vapor respirator in combination with a dust/mist filter. Organic vapour cartridge with a particulate pre-filter.

### Gloves:

Chemical protective gloves should not be needed when handling this material. Consistent with general hygienic practice for any material, skin contact should be minimized.

**Skin Protection:** Normal work coveralls.

**Eyes:** Safety glasses or goggles.

**Other Personal Protection Data:** Ensure that eyewash stations and safety showers are proximal to the work-station location.

Ingredients	Exposure Limit - ACGIH	Exposure Limit - OSHA	Immediately Dangerous to Life or Health - IDLH
Propylene glycol	Not available.	Not available.	Not Available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid.

**Colour:** Colourless.

**Odour:** Odourless

**pH** Not Available.

**Specific Gravity:** 1.04 @ 20°C

**Boiling Point:** 187.4°C /369.32°F

**Freezing/Melting Point:** <-57 °C / <-70 °F (Pour point)

**Vapour Pressure:** 0.3 mbar @ 25°C

**Vapour Density:** 2.62

**% Volatile by Volume:** Not Available.

**Evaporation Rate:** 0.01

**Solubility:** 100%

**VOCs:** Not Available.

**Viscosity:** 48.6 mPs @ 25°C

**Molecular Weight:** Not Available.

**Other:** Not Available.

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable.

**Hazardous Polymerization:** Will not occur.

**Conditions to Avoid:** Hygroscopic (absorbs moisture from the air). Product can decompose at elevated temperatures.

Generation of gas during decomposition can cause pressure in closed systems. Avoid direct sunlight or ultraviolet sources.

**Materials to Avoid:** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products:** Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Decomposition products can include and are not limited to: Aldehydes. Alcohols. Ethers. Organic acids.

**Additional Information:**

No additional remark.

## 11. TOXICOLOGICAL INFORMATION

### Principle Routes of Exposure

**Ingestion:** Low toxicity. Small amounts swallowed incidental to normal handling operations are not likely to cause injury.

**Skin Contact:** Prolonged contact is essentially non irritating to skin. Repeated contact may cause flaking and softening of skin. Prolonged skin contact is unlikely to result in absorption of harmful amounts.

**Inhalation:** At room temperature, exposure to vapor is minimal due to low volatility. Mist may irritate nose and throat.

NR05363

PROPYLENE GLYCOL USP/EP

Page 3 of 6

## 11. TOXICOLOGICAL INFORMATION

**Eye Contact:** May cause slight transient (temporary) eye irritation. Corneal injury is unlikely. Vapour or mist may cause eye irritation.

**Additional Information:** In rare cases, repeated excessive exposure to propylene glycol may cause central nervous system effects.

**Acute Test of Product:**

**Acute Oral LD50:** Not Available.

**Acute Dermal LD50:** Not Available.

**Acute Inhalation LC50:** Not Available.

**Carcinogenicity:**

Ingredients	IARC - Carcinogens	ACGIH - Carcinogens
Propylene glycol	Not listed.	Not listed.

**Carcinogenicity Comment:** Did not cause cancer in laboratory animals.

**Reproductive Toxicity/ Teratogenicity/ Embryotoxicity/ Mutagenicity:** Did not cause birth defects or any other fetal effects in laboratory animals. No interference with reproduction has been shown in animal studies. In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicological Information:**

Ingredients	Ecotoxicity - Fish Species Data	Acute Crustaceans Toxicity:	Ecotoxicity - Freshwater Algae Data
Propylene glycol	LC50 (Pimephales promelas) 51400 mg/L LC50 (Oncorhynchus mykiss) 51600 mg/L	Not Available.	EC50 (Selenastrum capricornutum) 19000 mg/L

**Other Information:**

**Ecotoxicity:** Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 >100 mg/L in the most sensitive species tested).

Material is readily biodegradable.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of Waste Method:** Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

**Contaminated Packaging:** Empty containers should be recycled or disposed of through an approved waste management facility.

## 14. TRANSPORT INFORMATION

**DOT (U.S.):**

**DOT Shipping Name:** Not Regulated.

**DOT Hazardous Class:** Not Applicable.

**DOT UN Number:** Not Applicable.

**DOT Packing Group:** Not Applicable.

**DOT Reportable Quantity (lbs):** Not Available.

**Note:** No additional remark.

**Marine Pollutant:** No.

**TDG (Canada):**

**TDG Shipping Name:** Not Regulated.

**Hazard Class:** Not Applicable.



## 14. TRANSPORT INFORMATION

**UN Number:** Not Applicable.  
**Packing Group:** Not Applicable.  
**Note:** No additional remark.  
**Marine Pollutant:** No.

## 15. REGULATORY INFORMATION

**U.S. TSCA Inventory Status:** All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt.

**Canadian DSL Inventory Status:** All components of this product are either on the Domestic Substances List (DSL), the Non-Domestic Substances List (NDSL) or exempt.

**Note:** Not available.

### U.S. Regulatory Rules

Ingredients	CERCLA/SARA - Section 302:	SARA (311, 312) Hazard Class:	CERCLA/SARA - Section 313:
Propylene glycol	Not Listed.	Not Listed.	Not Listed.

**California Proposition 65:** Not Listed.  
**MA Right to Know List:** Not Listed.  
**New Jersey Right-to-Know List:** Listed.  
**Pennsylvania Right to Know List:** Listed.

**WHMIS Hazardous Class:**  
NON-CONTROLLED

## 16. OTHER INFORMATION

**Additional Information:**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**Disclaimer:**

**NOTICE TO READER:**

Univar, expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Univar Sales Office.

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**\*\*\*END OF MSDS\*\*\***