



SAFETY DATA SHEET

SECTION 1 : IDENTIFICATION

Product identifier used on the label:

Product Name: **Elo Tobacco Flavor**
Product Code: PUR #317288132
SDS Manufacturer Number: 317288132

Other means of identification:

Synonyms: Five Pawns / Flavor Ingredient

Recommended use of the chemical and restrictions on use:

Product Use/Restriction: Do not use for purposes other than listed.

Chemical manufacturer address and telephone number:

Manufacturer Name: Five Pawns Inc.
Address: 18092 Sky Park South
Building 51 Suite D
Irvine, CA 92614
United States
Website: www.fivepawns.com
General Phone Number: (949)474-1150

Emergency phone number:

Emergency Phone Number: 1-800-535-5053(Domestic-US)/1-352-323-3500 (International)

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with CFR 1910.1200(d)(f):

Signal Word: Not applicable.

GHS Class: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200..

Hazards not otherwise classified that have been identified during the classification process:

Emergency Overview: WARNING! Irritant.

Route of Exposure: Eyes. Skin. Inhalation.

Eye: May cause irritation.

Skin: May cause irritation.

Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion: Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Target Organs: Eyes. Skin. Respiratory system. Digestive system.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures:

Chemical Name	CAS#	Ingredient Percent	EC Num.
Glycerin	56-81-5	69 - 79 by weight	
Propylene Glycol	57-55-6	20 - 30 by weight	
FEMA/GRAS Flavoring Ingredients	Mixture	< 3 by weight	

SECTION 4 : FIRST AID MEASURES

Description of necessary measures:

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 : FIRE FIGHTING MEASURES

Suitable and unsuitable extinguishing media:

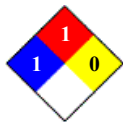
Suitable Extinguishing Media:	Dry chemical, foam and carbon dioxide.
Unsuitable extinguishing media:	None known.

Special protective equipment and precautions for fire-fighters:

Protective Equipment:	In the event of a fire, wear Self-Contained Breathing Apparatus (SCBA), approved or in accordance to NFPA, NIOSH, and/or European Standard EN 137 guidelines or equivalent and full protective gear.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	0



SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Personal Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area. Avoid contact with clothes, eyes and skin, as well as direct inhalation of high quantities
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Environmental precautions:

Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways. Comply with all government regulations on reporting releases.
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Methods and materials for containment and cleaning up:

Methods for containment:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Small spills can be wiped out with cloth or paper, disposed appropriately
Methods for cleanup:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.

SECTION 7 : HANDLING and STORAGE

Precautions for safe handling:

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist. Avoid contact with clothes, eyes and skin. Do not ingest this product
Hygiene Practices:	Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities:

Storage:	Store in the original package in cool, ventilated and dry places away from sources of heat and direct light
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Specific end use(s):

Work Practices:	Handle in accordance with good industrial hygiene and safety practices.
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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE GUIDELINES:

Ingredient	Guideline OSHA	Guideline ACGIH			
Glycerin	PEL-TWA: 15 mg/m ³ Total particulate/dust (T) PEL-TWA: 5 mg/m ³ Respirable fraction (R)	TLV-TWA: 10 mg/m ³			

Appropriate engineering controls:

Engineering Controls:

Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

Individual protection measures:

Eye/Face Protection:

Safety glasses with side shields must be worn at all times. If splash hazard exists, wear chemical splash goggles and/or face shield.

Skin Protection Description:

Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.

Hand Protection Description:

Nitrile rubber or natural rubber gloves are recommended.

Respiratory Protection:

Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Comply with the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Other Protective:

Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

PPE Pictograms:



SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES:

Physical State Appearance:

Liquid.

Color:

Clear, colorless to yellow

Odor:

Characteristic

Odor Threshold:

Not determined.

Boiling Point:

Not determined.

Melting Point:

Not determined.

Density:

1.1702 - 1.2202

Specific Gravity:

1.1723 - 1.2223

Solubility:

Soluble in Water and Ethanol.

Vapor Density:

Not determined.

Vapor Pressure:

Not determined.

Percent Volatile:

0 lbs/gal

Evaporation Rate:

Not determined.

pH:

Not determined.

Flash Point:

> 100 °C (> 212 °F)

Lower Flammable/Explosive Limit:

Not determined.

Upper Flammable/Explosive Limit:

Not determined.

Auto Ignition Temperature:

Not determined.

Refractive Index:

1.4366 - 1.4866

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:

Chemical Stability:

Stable under recommended handling and storage conditions.

Possibility of hazardous reactions:

Hazardous Polymerization:

Hazardous polymerization does not occur.

Conditions To Avoid:

Conditions to Avoid:

Heat, flames, ignition sources, and sparks. Incompatible materials.

Incompatible Materials:

Incompatible Materials:

Strong oxidizers and strong bases.

Hazardous Decomposition Products:

Special Decomposition Products: Thermal decomposition can lead to release irritant fumes and toxic gases.

SECTION 11 : TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

Carcinogens:							MEXICO
	ACGIH	NIOSH	OSHA	IARC	NTP		

Glycerin :

Eye: Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild]
Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild] (RTECS)

Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: 12600 mg/kg [Behavioral - General anesthetic
Behavioral - Muscle weakness Liver - Other changes]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 12600 mg/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 12600 mg/kg [Behavioral - General anesthetic
Behavioral - Muscle weakness Liver - Other changes]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 12600 mg/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

Propylene Glycol :

Eye: Administration into the eye - Rabbit Standard Draize test: 100 mg [Mild]
Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild]
Administration into the eye - Rabbit Standard Draize test: 100 mg [Mild]
Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild]
Administration into the eye - Rabbit Standard Draize test: 100 mg [Mild]
Administration into the eye - Rabbit Standard Draize test: 500 mg/24H [Mild] (RTECS)

Skin: Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 20800 mg/kg [Details of toxic effects not reported other than lethal dose value]
Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 20800 mg/kg [Behavioral - Ataxia Behavioral - Tetany Lungs, Thorax, or Respiration - Respiratory depression]
Administration onto the skin - Rabbit LD50 - Lethal dose, 50 percent kill: 20800 mg/kg [Details of toxic effects not reported other than lethal dose value]
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Ingestion: Oral - Rat LD50 - Lethal dose, 50 percent kill: 20 gm/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 20 gm/kg [Details of toxic effects not reported other than lethal dose value]
Oral - Rat LD50 - Lethal dose, 50 percent kill: 20 gm/kg [Details of toxic effects not reported other than lethal dose value] (RTECS)

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:

Ecotoxicity: No environmental information found for this product.

Environmental Fate: No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Description of waste:

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 or the EU Directive 2008/98/EC on waste for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state, local, or provincial waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name: Not regulated as hazardous material for transportation.

DOT Hazard Class: Not applicable.

DOT Packing Group: Not applicable.

IATA Shipping Name: Not regulated as hazardous material for transportation.

IATA Hazard Class: Not applicable.

IATA Packing Group: Not applicable.

IMDG UN Number : Not applicable.

IMDG Shipping Name : Not regulated as hazardous material for transportation.

IMDG Hazard Class : Not applicable.

IMDG Packing Group : Not applicable.

SECTION 15 : REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product:

Inventory Status

	Canada DSL	TSCA Inventory Status			
Glycerin	Listed	Listed			
Propylene Glycol	Listed	Listed			

State Right To Know

SECTION 16 : ADDITIONAL INFORMATION

HMIS Ratings:

HMIS Health Hazard: 1

HMIS Fire Hazard: 1

HMIS Reactivity: 0

HMIS Personal Protection: X

Health Hazard	1
Fire Hazard	1
Reactivity	0
Personal Protection	X

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Notes : The information contained herein is based on data considered accurate and reliable. However, the data is provided without any warranty, expressed or implied regarding its correctness or accuracy. 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 expenses resulting from the improper use of this product. It is also the responsibility of the users and handlers to observe any and all laws and regulations (federal, state and local) concerning the transportation, use, handling, storage and disposal of this product.

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