



MATERIAL SAFETY DATA SHEET

I. Product Identification

Product Name: Honey Dewlusion

Manufacture Name: Whip Dream
24-Hour Emergency Number: 1-800-222-1222 (Poison Control Center)
Address: 10650 Sierra Ave Suite A Fontana, CA 92337
Telephone: 1 (213) 536-9447

II. Physical Data

Physical State:	Liquid
Color:	Clear to Yellowish
Odor:	Characteristic of honeydew
Boiling/Melting Point:	250°C
Brix @ 25°C:	N/A
Flash Point:	>200°F (93.3°C)
Specific Gravity @ 25°C:	1.06± 0.02
Vapor Pressure:	Not Determined
Solubility In water:	Miscible

III. Composition / Information on Ingredients

Primary Hazardous Component: Nicotine

Other Non-Hazardous Components: Propylene Glycol, Glycerin, Natural and Artificial Flavors

Strawberry Fantasy – 0mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	62.00%
*Proprietary Flavor Blend	N/A	N/A	N/A	38.00%

Strawberry Fantasy – 3mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	61.70%
L-Nicotine, USP	(-)-1-Methyl-2-(3-pyridyl) pyrrolidine	C ₁₀ H ₁₄ N ₂	54-11-5	0.300%
*Proprietary Flavor Blend	N/A	N/A	N/A	38.00%



MATERIAL SAFETY DATA SHEET

Strawberry Fantasy – 6mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	61.40%
L-Nicotine, USP	(-)-1-Methyl-2-(3-pyridyl) pyrrolidine	C ₁₀ H ₁₄ N ₂	54-11-5	0.600%
*Proprietary Flavor Blend	N/A	N/A	N/A	38.00%

Strawberry Fantasy – 12mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	60.80%
L-Nicotine, USP	(-)-1-Methyl-2-(3-pyridyl) pyrrolidine	C ₁₀ H ₁₄ N ₂	54-11-5	1.200%
*Proprietary Flavor Blend	N/A	N/A	N/A	38.00%

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

Note: *Proprietary Flavor Blend: Flavoring Company states extract is pre-mixed containing propylene glycol, natural flavoring, artificial flavoring, ethyl alcohol, water.

IV. Physical Hazard Data/Fire and Explosion/Reactivity Data

Extinguishing Media:	Use media for Class B fires: foam Carbon Dioxide or dry compound. Avoid direct contact with water.
Special Fire Fighting Procedure:	If confined in a container, cool exterior with water spray.
Unusual Fire and Explosive Hazard:	Closed container may build up pressure if exposed to heat.
Condition to Avoid:	Vapors form explosive mixture with air and may travel to source of ignition and flash back.
Hazardous Decomposition Products:	Burning liberates Carbon Monoxide, Carbon Dioxide, and Smoke.
Stability Condition:	Present No Significant Reactivity Hazard: Will not undergo hazardous exothermic hydrogenization



MATERIAL SAFETY DATA SHEET

V. Fire and Explosion Data

L-Nicotine, USP	Flammability: Auto-Ignition Temp.: Flash Points: Flammable Limits: Products of Combustion: Explosive Hazards: Fire Hazards:	May be combustible at high temperature 244°C Closed Cup: 101°C Lower: 0.7% / Upper: 4% Carbon Oxides (CO, CO ₂), Nitrogen Oxides (NO, NO ₂) Not Available Slightly flammable to flammable in in presence of heat, open flames, and sparks.
Propylene Glycol, USP	Flammability: Auto-Ignition Temp.: Flash Points: Flammable Limits: Products of Combustion: Explosive Hazards: Fire Hazards:	May be combustible at high temperature 371°C Closed Cup: 99°C / Open Cup: 107°C Lower: 2.6% / Upper: 12.5% Carbon Oxides (CO, CO ₂) Not Available Slightly flammable to flammable in in presence of heat.
Glycerin, UPS	Flammability: Auto-Ignition Temp.: Flash Points: Flammable Limits: Products of Combustion: Explosive Hazards: Fire Hazards:	May be combustible at high temperature 370°C Closed Cup: 160°C / Open Cup: 199°C Lower: 0.9% Carbon Oxides (CO, CO ₂) Not Available Slightly flammable to flammable in in presence of heat, open flames, and sparks. Explosive in presence of oxidizing materials.

VI. Health Hazard Information

The identity of individual components of this mixture is proprietary information and is regarded to be a Trade Secret Pursuant to 29 CFR 1910.1200. However, the mixture may present the following health hazards:

Eye Contact: Vapor may be Irritating to Eyes, Nose, Throat, and Respiration Tract..

Skin Contact: May be toxic in contact with skin. May cause skin irritation.

Inhalation: May be irritating to mucous membranes and upper respiratory tract.

Ingestion: May cause nausea, abdominal pain, damage to gastro intestinal or sweating. May be toxic or fatal if swallowed.

Work in a well-ventilated area.



MATERIAL SAFETY DATA SHEET

VII. Protection Information

- Respiratory: Avoid casual breathing of vapor.
- Ventilation: Local exhaust, mechanical preferred.
- Eyes: Use OSHA approved safety glasses.
- Hands/Skin: Use chemical resistant gloves. Use of lab gown and/or cover all is recommended.
- Others: Safety showers, eye bath.

VIII. Emergency First Aid Protection

- Inhalation and exposure: Remove victim from source of exposure and transfer to a well-ventilated area. If breathing is difficult, give oxygen. Get medical attention immediately.
- Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Call a physician if necessary.
- Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Others: Material in original concentrated form is not for ingestion. In case of ingestion: CALL A PHYSICIAN.

IX. Occupational Exposure Limit

Threshold Limit Value (TLV): Not determined.
OSHA Permissible Exposure Limit (PEL) not determined.

Has the substance been listed as a carcinogen or potential carcinogen in the "annual report in carcinogen" published by the International Agency for research on cancer or by OSHA?
____Yes__X__No.



MATERIAL SAFETY DATA SHEET

X. Spills, Leaks and Waste Disposal Procedure

Spills and Leaks:	Eliminate all source of ignition. Remove leaking container to a well-ventilated area. Respiratory protection maybe needed. Small spills may be absorbed with sand, vermiculite, or other standard absorbents.
Waste Disposal Method:	Incineration or sanitary landfill in accordance with local, state and federal regulations.

XI. Precaution Information

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 50°F - 70°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.
	Packing:	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	



MATERIAL SAFETY DATA SHEET

XII. Exposure Controls and Personal Protection

Engineering Controls: 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.

Personal Protection: Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Exposure Limits:	L-Nicotine, USP:	United States (OSHA)	0.5 mg/m ³ TWA
		United Kingdom	0.5 mg/m ³ TWA
		United Kingdom	1.5 ppm STEL
		Belgium	0.5 mg/m ³ VLE
		France	0.5 mg/m ³ VME
		Germany	0.47 mg/m ³ TWA
		Germany	0.07 ppm TWA
		Malaysia	0.5 mg/m ³ TWA
		Netherlands	0.5 mg/m ³ MAC
		Netherlands	0.07 ppm MAC
	Spain	0.5 mg/m ³ VLA-ED	
	Propylene Glycol, USP	United States (AIHA)	10 mg/m ³
	Glycerin, USP	United States (OSHA)	15 mg/m ³

XIII. Toxicology Information

L-Nicotine, USP	Oral, Rat:	LD50 = 50 mg/kg
	Dermal, Rat:	LD50 = 140 mg/kg
	Dermal, Rabbit:	LD50 = 50 mg/kg
Propylene Glycol, USP	Oral, Rat:	LD50 = 20,000 mg/kg
	Oral, Mouse:	LD50 = 22,000 mg/kg
	Dermal, Rabbit:	LD50 = 20,800 mg/kg
Glycerin, UPS	Oral, Rat:	LD50 = 12,600 mg/kg
	Oral, Mouse	LD50 = 4,090 mg/kg
	Dermal, Rabbit	LD50 = 10,000 mg/kg
	Mist, Rat	LD50 = 570 mg/m ³ / 1 hour (Based on 4-hour exposure)

Whip Dream

10650 Sierra Ave Suite A, Fontana, CA 92337
213-536-9447



MATERIAL SAFETY DATA SHEET

XIV. Ecological Information

L-Nicotine, USP	Toxicity:	Fish (fresh water) Fish (Onchorhynchus mykiss) Daphnia (Daphnia magna)	Toxic: 3-29ppm 96hr: LC50 = 4mg/l 48hr: LC50 = 0.24mg/l
	Degradability	Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise. Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.	
	Accumulation	Bioaccumulation Estimates from Log Kow (BCFWIN v2.17): Log BCF from regression-based method = 0.201 (BCF = 1.588) log Kow used: 1.17 (expkow database)	
	Mobility in Soil	Soil Adsorption Coefficient (PCKOCWIN v1.66): Koc: 2376 Log Koc: 3.376	
Propylene Glycol, USP	Toxicity:	Fish (Onchorhynchus mykiss) Water Flea (Ceriodaphnia Dubia)	96hr: LC50 = 40,613 mg/l 48 h: LC50 = 18,340 mg/l
	Degradability	Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Biodegradation may occur under anaerobic conditions (in the absence of oxygen).	
	Accumulation	Bioconcentration potential is low (BCF < 100 or Log Pow < 3) Log Pow used: -1.07 EU Method A.8 (Partition Coefficient) Bioconcentration Factor (BCF): 0.09; Estimated.	
	Mobility in Soil	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 (Koc between 0 and 50). Koc: < 1 (estimated) Henry's Law Constant (H): 1.2E-08 atm*m3/mole Measured	
Glycerin, UPS	Toxicity:	No aquatic environmental information is available on this product.	
	Degradability	This product is completely biodegradable.	
	Accumulation	Bioaccumulation of this product has not been determined.	
	Mobility in Soil	Mobility of this material has not been determined. Low potential for sorption to soil. Glycerin will partition primarily to water.	

Whip Dream

10650 Sierra Ave Suite A, Fontana, CA 92337
213-536-9447



MATERIAL SAFETY DATA SHEET

XV. Regulatory Information

US Federal

TSCA

Nicotine
54-11-5

Inventory

Listed on the TSCA inventory

Health & Safety
Reporting List

Not listed on the Health & Safety Reporting List.

Chemical Test Rule

Not under a Chemical Test Rule.

Section 12b

Not listed under TSCA Section 12b.

SNUR

Does not have a Significant New Use Rule under TSCA.

SARA

Nicotine
54-11-5

Section 302: (RQ)

CAS# 54-11-5: final RQ = 100 pounds (45.4 kg)

Section 302: (TPQ)

CAS# 54-11-5: TPQ = 100 pounds; RQ = 100 pounds

Section 313:

This material contains Nicotine (CAS# 54-11-5, 99%), which is subject to the reporting requirements of Section 313 of SARA Title III and CFR Part 373.

SARA Codes:

CAS # 54-11-5: acute, chronic.

Clean Air Act:

Does not contain any hazardous air pollutants.

Does not contain any Class 1 Ozone depletors.

Does not contain any Class 2 Ozone depletors.

Clean Water Act:

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 Section 15: Regulatory Information Page 8 of 9 the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA

Not considered highly hazardous by OSHA.

European / International

The product has been classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008.

Whip Dream

10650 Sierra Ave Suite A, Fontana, CA 92337
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MATERIAL SAFETY DATA SHEET

Labeling:
EC Directives

Nicotine
54-11-5

Hazard Symbols:

T

Toxic



Signal Word:

Danger

Hazard Statements:

H311

Toxic in contact with skin.

Dangerous
Substance on Label:

Nicotine,

USP

Risk Phrases:

R25
R27
R51
R53

Toxic if swallowed.
Very toxic in contact with skin.
Toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

Hazard Phrases:

H301
H310
H411

Toxic if swallowed.
Fatal in contact with skin.
Toxic to aquatic life with long lasting effects.

Safety Phrases:

S36/S37

Wear suitable protective clothing and gloves.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Precautions:

Prevention

P280

Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302/352

If on skin: Wash with plenty of soap and water.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P361

Remove/Take off immediately all contaminated clothing.

P363

Wash contaminated clothing before reuse.

Storage

P405

Store locked up.

Whip Dream

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MATERIAL SAFETY DATA SHEET

XVI. Other Information

Acronyms:

ADR:	European agreement concerning the International Carriage of Dangerous Goods by Road
ADR:	European agreement concerning the International Carriage of Dangerous Goods by Road
AVV:	Waste codes according to the waste catalogue ordinance
CLP:	Classification Labeling and Packaging
DSD:	Dangerous Substance directive
EC:	European Commission
EWC:	European Waste Catalogue
GHS:	Globally harmonized system on classification and labeling
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
MAC:	Maximum Accepted Concentration
RID:	European agreement concerning the International Carriage of Dangerous Goods by Rail
STEL:	Short Term Exposure Limit
TWA:	Time-Weighted Average
VLE:	Value Exposure Limit
VME:	Occupational Exposure Limit
VLA-ED:	Environment Exposure Daily Limit Value

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or are listed as generally recognized as safe (GRAS) on a Reliable Published Association List.

Date: 6/30/2016

NOTICE: The information submitted, to the best of our knowledge is true and accurate. All recommendations or suggestions pertaining to product labeling, product use or production procedures are made without warranty or guarantee. Users should make their own tests to determine the applicability or suitability for their own particular purposes.



MATERIAL SAFETY DATA SHEET

I. Product Identification

Product Name: Strawberry Fantasy

Manufacture Name: Whip Dream
24-Hour Emergency Number: 1-800-222-1222 (Poison Control Center)
Address: 10650 Sierra Ave Suite A Fontana, CA 92337
Telephone: 1 (213) 536-9447

II. Physical Data

Physical State:	Liquid
Color:	Clear to Yellowish
Odor:	Characteristic of strawberry
Boiling/Melting Point:	250°C
Brix @ 25°C:	N/A
Flash Point:	>200°F (93.3°C)
Specific Gravity @ 25°C:	1.06± 0.02
Vapor Pressure:	Not Determined
Solubility In water:	Miscible

III. Composition / Information on Ingredients

Primary Hazardous Component: Nicotine

Other Non-Hazardous Components: Propylene Glycol, Glycerin, Natural and Artificial Flavors

Strawberry Fantasy – 0mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	72.00%
*Proprietary Flavor Blend	N/A	N/A	N/A	28.00%

Strawberry Fantasy – 3mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	71.70%
L-Nicotine, USP	(-)-1-Methyl-2-(3-pyridyl) pyrrolidine	C ₁₀ H ₁₄ N ₂	54-11-5	0.300%
*Proprietary Flavor Blend	N/A	N/A	N/A	28.00%



MATERIAL SAFETY DATA SHEET

Strawberry Fantasy – 6mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	71.40%
L-Nicotine, USP	(-)-1-Methyl-2-(3-pyridyl) pyrrolidine	C ₁₀ H ₁₄ N ₂	54-11-5	0.600%
*Proprietary Flavor Blend	N/A	N/A	N/A	28.00%

Strawberry Fantasy – 12mg /mL

Ingredient	Chemical Name	Formula	CAS#	Amount
Glycerin, UPS	1,2,3-propanetriol	C ₃ H ₈ O ₃	56-81-5	70.80%
L-Nicotine, USP	(-)-1-Methyl-2-(3-pyridyl) pyrrolidine	C ₁₀ H ₁₄ N ₂	54-11-5	1.200%
*Proprietary Flavor Blend	N/A	N/A	N/A	28.00%

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

Note: *Proprietary Flavor Blend: Flavoring Company states extract is pre-mixed containing propylene glycol, natural flavoring, artificial flavoring, ethyl alcohol, water.

IV. Physical Hazard Data/Fire and Explosion/Reactivity Data

Extinguishing Media:	Use media for Class B fires: foam Carbon Dioxide or dry compound. Avoid direct contact with water.
Special Fire Fighting Procedure:	If confined in a container, cool exterior with water spray.
Unusual Fire and Explosive Hazard:	Closed container may build up pressure if exposed to heat.
Condition to Avoid:	Vapors form explosive mixture with air and may travel to source of ignition and flash back.
Hazardous Decomposition Products:	Burning liberates Carbon Monoxide, Carbon Dioxide, and Smoke.
Stability Condition:	Present No Significant Reactivity Hazard: Will not undergo hazardous exothermic hydrogenization



MATERIAL SAFETY DATA SHEET

V. Fire and Explosion Data

L-Nicotine, USP	Flammability: Auto-Ignition Temp.: Flash Points: Flammable Limits: Products of Combustion: Explosive Hazards: Fire Hazards:	May be combustible at high temperature 244°C Closed Cup: 101°C Lower: 0.7% / Upper: 4% Carbon Oxides (CO, CO ₂), Nitrogen Oxides (NO, NO ₂) Not Available Slightly flammable to flammable in in presence of heat, open flames, and sparks.
Propylene Glycol, USP	Flammability: Auto-Ignition Temp.: Flash Points: Flammable Limits: Products of Combustion: Explosive Hazards: Fire Hazards:	May be combustible at high temperature 371°C Closed Cup: 99°C / Open Cup: 107°C Lower: 2.6% / Upper: 12.5% Carbon Oxides (CO, CO ₂) Not Available Slightly flammable to flammable in in presence of heat.
Glycerin, UPS	Flammability: Auto-Ignition Temp.: Flash Points: Flammable Limits: Products of Combustion: Explosive Hazards: Fire Hazards:	May be combustible at high temperature 370°C Closed Cup: 160°C / Open Cup: 199°C Lower: 0.9% Carbon Oxides (CO, CO ₂) Not Available Slightly flammable to flammable in in presence of heat, open flames, and sparks. Explosive in presence of oxidizing materials.

VI. Health Hazard Information

The identity of individual components of this mixture is proprietary information and is regarded to be a Trade Secret Pursuant to 29 CFR 1910.1200. However, the mixture may present the following health hazards:

Eye Contact: Vapor may be Irritating to Eyes, Nose, Throat, and Respiration Tract..

Skin Contact: May be toxic in contact with skin. May cause skin irritation.

Inhalation: May be irritating to mucous membranes and upper respiratory tract.

Ingestion: May cause nausea, abdominal pain, damage to gastro intestinal or sweating. May be toxic or fatal if swallowed.

Work in a well-ventilated area.



MATERIAL SAFETY DATA SHEET

VII. Protection Information

- Respiratory: Avoid casual breathing of vapor.
- Ventilation: Local exhaust, mechanical preferred.
- Eyes: Use OSHA approved safety glasses.
- Hands/Skin: Use chemical resistant gloves. Use of lab gown and/or cover all is recommended.
- Others: Safety showers, eye bath.

VIII. Emergency First Aid Protection

- Inhalation and exposure: Remove victim from source of exposure and transfer to a well-ventilated area. If breathing is difficult, give oxygen. Get medical attention immediately.
- Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Call a physician if necessary.
- Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- Ingestion: If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
- Others: Material in original concentrated form is not for ingestion. In case of ingestion: CALL A PHYSICIAN.

IX. Occupational Exposure Limit

- Threshold Limit Value (TLV): Not determined.
- OSHA Permissible Exposure Limit (PEL) not determined.

Has the substance been listed as a carcinogen or potential carcinogen in the "annual report in carcinogen" published by the International Agency for research on cancer or by OSHA?
____ Yes __X__ No.



MATERIAL SAFETY DATA SHEET

X. Spills, Leaks and Waste Disposal Procedure

Spills and Leaks: Eliminate all source of ignition. Remove leaking container to a well-ventilated area. Respiratory protection maybe needed. Small spills may be absorbed with sand, vermiculite, or other standard absorbents.

Waste Disposal Method: Incineration or sanitary landfill in accordance with local, state and federal regulations.

XI. Precaution Information

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 50°F - 70°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.
	Packing:	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	



MATERIAL SAFETY DATA SHEET

XII. Exposure Controls and Personal Protection

Engineering Controls: 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.

Personal Protection: Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Exposure Limits:	L-Nicotine, USP:	United States (OSHA)	0.5 mg/m ³ TWA
		United Kingdom	0.5 mg/m ³ TWA
		United Kingdom	1.5 ppm STEL
		Belgium	0.5 mg/m ³ VLE
		France	0.5 mg/m ³ VME
		Germany	0.47 mg/m ³ TWA
		Germany	0.07 ppm TWA
		Malaysia	0.5 mg/m ³ TWA
		Netherlands	0.5 mg/m ³ MAC
		Netherlands	0.07 ppm MAC
		Spain	0.5 mg/m ³ VLA-ED
	Propylene Glycol, USP	United States (AIHA)	10 mg/m ³
	Glycerin, USP	United States (OSHA)	15 mg/m ³

XIII. Toxicology Information

L-Nicotine, USP	Oral, Rat:	LD50 = 50 mg/kg
	Dermal, Rat:	LD50 = 140 mg/kg
	Dermal, Rabbit:	LD50 = 50 mg/kg
Propylene Glycol, USP	Oral, Rat:	LD50 = 20,000 mg/kg
	Oral, Mouse:	LD50 = 22,000 mg/kg
	Dermal, Rabbit:	LD50 = 20,800 mg/kg
Glycerin, UPS	Oral, Rat:	LD50 = 12,600 mg/kg
	Oral, Mouse	LD50 = 4,090 mg/kg
	Dermal, Rabbit	LD50 = 10,000 mg/kg
	Mist, Rat	LD50 = 570 mg/m ³ / 1 hour (Based on 4-hour exposure)



MATERIAL SAFETY DATA SHEET

XIV. Ecological Information

L-Nicotine, USP	Toxicity:	Fish (fresh water)	Toxic: 3-29ppm
		Fish (Onchorhynchus mykiss)	96hr: LC50 = 4mg/l
	Daphnia (Daphnia magna)	48hr: LC50 = 0.24mg/l	
	Degradability	Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.	
		Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.	
	Accumulation	Bioaccumulation Estimates from Log Kow (BCFWIN v2.17): Log BCF from regression-based method = 0.201 (BCF = 1.588) log Kow used: 1.17 (expkow database)	
	Mobility in Soil	Soil Adsorption Coefficient (PCKOCWIN v1.66): Koc: 2376 Log Koc: 3.376	
Propylene Glycol, USP	Toxicity:	Fish (Onchorhynchus mykiss)	96hr: LC50 = 40,613 mg/l
		Water Flea (Ceriodaphnia Dubia)	48 h: LC50 = 18,340 mg/l
	Degradability	Material is readily biodegradable. Passes OECD test(s) for ready biodegradability. Biodegradation may occur under anaerobic conditions (in the absence of oxygen).	
	Accumulation	Bioconcentration potential is low (BCF < 100 or Log Pow < 3) Log Pow used: -1.07 EU Method A.8 (Partition Coefficient) Bioconcentration Factor (BCF): 0.09; Estimated.	
	Mobility in Soil	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 (Koc between 0 and 50). Koc: < 1 (estimated) Henry's Law Constant (H): 1.2E-08 atm*m3/mole Measured	
Glycerin, UPS	Toxicity:	No aquatic environmental information is available on this product.	
	Degradability	This product is completely biodegradable.	
	Accumulation	Bioaccumulation of this product has not been determined.	
	Mobility in Soil	Mobility of this material has not been determined. Low potential for sorption to soil. Glycerin will partition primarily to water.	

Whip Dream

10650 Sierra Ave Suite A, Fontana, CA 92337
213-536-9447



MATERIAL SAFETY DATA SHEET

XV. Regulatory Information

US Federal

TSCA

Nicotine
54-11-5

Inventory

Listed on the TSCA inventory

Health & Safety
Reporting List

Not listed on the Health & Safety Reporting List.

Chemical Test Rule

Not under a Chemical Test Rule.

Section 12b

Not listed under TSCA Section 12b.

SNUR

Does not have a Significant New Use Rule under TSCA.

SARA

Nicotine
54-11-5

Section 302: (RQ)

CAS# 54-11-5: final RQ = 100 pounds (45.4 kg)

Section 302: (TPQ)

CAS# 54-11-5: TPQ = 100 pounds; RQ = 100 pounds

Section 313:

This material contains Nicotine (CAS# 54-11-5, 99%), which is subject to the reporting requirements of Section 313 of SARA Title III and CFR Part 373.

SARA Codes:

CAS # 54-11-5: acute, chronic.

Clean Air Act: Does not contain any hazardous air pollutants.

Does not contain any Class 1 Ozone depleters.

Does not contain any Class 2 Ozone depleters.

Clean Water
Act:

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 Section 15: Regulatory Information Page 8 of 9 the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA

Not considered highly hazardous by OSHA.

European / International

The product has been classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008.

Whip Dream

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213-536-9447



MATERIAL SAFETY DATA SHEET

Labeling:
EC Directives

Nicotine
54-11-5

Hazard Symbols:

T

Toxic



Signal Word:

Danger

Hazard Statements:

H311

Toxic in contact with skin.

Dangerous
Substance on Label:

Nicotine,

USP

Risk Phrases:

R25
R27
R51
R53

Toxic if swallowed.
Very toxic in contact with skin.
Toxic to aquatic organisms.
May cause long-term adverse effects in the aquatic environment.

Hazard Phrases:

H301
H310
H411

Toxic if swallowed.
Fatal in contact with skin.
Toxic to aquatic life with long lasting effects.

Safety Phrases:

S36/S37

Wear suitable protective clothing and gloves.

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Precautions:

Prevention

P280

Wear protective gloves/protective clothing/eye protection/face protection.

Response

P302/352

If on skin: Wash with plenty of soap and water.

P312

Call a POISON CENTER or doctor/physician if you feel unwell.

P361

Remove/Take off immediately all contaminated clothing.

P363

Wash contaminated clothing before reuse.

Storage

P405

Store locked up.

Whip Dream

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213-536-9447



MATERIAL SAFETY DATA SHEET

XVI. Other Information

Acronyms:

ADR:	European agreement concerning the International Carriage of Dangerous Goods by Road
ADR:	European agreement concerning the International Carriage of Dangerous Goods by Road
AVV:	Waste codes according to the waste catalogue ordinance
CLP:	Classification Labeling and Packaging
DSD:	Dangerous Substance directive
EC:	European Commission
EWC:	European Waste Catalogue
GHS:	Globally harmonized system on classification and labeling
LC50:	Lethal concentration, 50 percent
LD50:	Lethal dose, 50 percent
MAC:	Maximum Accepted Concentration
RID:	European agreement concerning the International Carriage of Dangerous Goods by Rail
STEL:	Short Term Exposure Limit
TWA:	Time-Weighted Average
VLE:	Value Exposure Limit
VME:	Occupational Exposure Limit
VLA-ED:	Environment Exposure Daily Limit Value

All ingredients contained in this product are approved for use in a regulation of the Food and Drug Administration or are listed as generally recognized as safe (GRAS) on a Reliable Published Association List.

Date: 6/30/2016

NOTICE: The information submitted, to the best of our knowledge is true and accurate. All recommendations or suggestions pertaining to product labeling, product use or production procedures are made without warranty or guarantee. Users should make their own tests to determine the applicability or suitability for their own particular purposes.



2014 Second Street
Selma, California 93662
559-891-9888

General Certificate of Conformity

Date Issued: 7/11/16

Customer: Whip Dream

By: Gary Tippitt P&P International, Inc.

Items:

- VP 01002101 Series 10ml Glass Flint, Amber, Blue and Green Euro Bottles
- VP 01502401 Series 15ml Glass Flint, Amber, Blue and Green Euro Bottles
- VP 01502101 Series 15ml Glass Flint, Amber, Blue and Green Boston Round Bottles
- VP 01902101 Series 19ml Glass Flint and Amber Boston Round Bottles
- VP 02016201 Series 20ml Glass Flint Euro Bottles.
- VP 03002401 Series 30ml Glass Flint, Amber, Blue and Green Euro Bottles
- VP 03002101 Series 30ml Glass Flint, Amber, Blue and Green Round Bead Boston Round Bottles
- VP 03007003 Series 30ml Glass Flint and Amber Flat Bead Boston Round Bottles
- VP 05016201 Series 50ml Glass Flint Euro Bottles
- VP 06002101 Series 60ml Glass Flint and Amber Round Bead Boston Round Bottles
- VP 12002101 Series 120ml Glass Flint and Amber Round Bead Boston Round Bottles
- VP 18020101 Series Dropper Assemblies for 10ml Euro, 15ml Boston Round, 15ml Euro, 20ml Euro, 30ml Euro and 50ml Euro Glass Bottles
- VP 01802999 Series TE Dropper Assemblies for the 10ml Euro, 15ml Euro, 30ml Euro Glass Bottles
- VP 02002200 Series Dropper Assemblies for 19ml, 30ml, and 60ml Boston Round Bottles.
- VP 02216001 Series Dropper Assemblies for 120ml Boston Round Bottles

2014 Second Street, Selma CA 93662
Phone: 559-891-9888 / Fax: 559-891-9709
Email: info@usa-ppi.com / www.usa-ppi.com

July 20, 2016

Product Manufactured at: P&P International, Inc.
Huangtang Industrial Park
Xiake Town, Wuxi, Jiangsu, China

P&P International, Inc.
Buxia Rd.
Yiyuan County, Zibo City,
Shandong Province P.R. China

P&P International, Inc.
No. 2277 Xue Feng West Road
Cheng Xi Street, Yiwu, Zhejiang Province,
P. R. C. 322000 China

Tested: Bitner Associates, Inc.
1001 Forest Trail
Sugar Grove, Ill 600554

Bird Dog Marketing Group, LLC
166 Farmington Lane
Lancaster, PA. 17601

Shipments Manufactured from January 1, 2014 through todays date.

Specific Customer Requirements: ALL ITEMS ARE MAUFACTURED WITHIN REQUIRED SPECIFICATIONS OF THAT PART NUMBER AND CERTIFICATION.

It is hereby certified that the finished items described above was manufactured in accordance with the material and product specification and is as stated in the applicable Customer Purchase Order and Poison Prevention Package as per the current Code of Federal Regulations (C.F.R) Title 16, Part 1700.20

Gary Tippitt (Certificate Record Keeper for P&P)