SAFETY DATA SHEET
DK Tobacco Base Flavor

Printed: 01/27/2016
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1. Product and Company Identification

Product Code: 344218
Product Name: DK Tobacco Base Flavor
Trade Name: DK Tobacco Base Flavor

Company Name: Perfumer's Apprentice
170 Technology Circle
Scotts Valley, CA 95066
Phone Number: (831)316-7137
Web site address: Perfumersapprentice.com
Emergency Contact: Chem-Tel Phone (800)255-3924

2. Hazards Identification

Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2B
Skin Sensitization, Category 1
Flammable Liquids, Category 3

GHS Signal Word: **Warning**

GHS Hazard Phrases:
H226: Flammable liquid and vapor.
H316: Causes mild skin irritation.
H317: May cause an allergic skin reaction.
H320: Causes eye irritation.

GHS Precaution Phrases:
P210: Keep away from {heat/sparks/open flames/hot surfaces}. - No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical/ventilating/lighting/{.../} equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.
P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.
P264: Wash {hands} thoroughly after handling.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear {protective gloves/protective clothing/eye protection/face protection}.

GHS Response Phrases:
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment {see ... on this label}.
P332+313: If skin irritation occurs, get medical advice/attention.
P333+313: If skin irritation or rash occurs, seek medical advice/attention.
P337+313: If eye irritation persists, get medical advice/attention.
P362+364: Take off contaminated clothing and wash it before reuse.

GHS Storage and Disposal Phrases:
P403+235: Store in cool/well-ventilated place.
P501: Dispose of contents/container to {...}.

Potential Health Effects (Acute and Chronic): No data available.

Inhalation: Harmful if inhaled.

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation.

Ingestion: May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
64-17-5	Ethyl alcohol	7.0 -13.0 %
57-55-6	Propylene glycol	72.0 -78.0 %
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	0.5 -1.5 %
121-33-5	Vanillin	2.0 -3.0 %
765-70-8	1,2-Cyclopentanedione, 3-methyl-	2.0 -3.0 %
1124-11-4	2,3,5,6 - Tetramethylpyrazine	1.0 -2.0 %
6915-15-7	Butanedioic acid, Hydroxy-	2.0 -4.0 %
23726-91-2	(E) - 1 - (2,6,6 - Trimethyl - 1 - cyclohexen - 1 - yl) - 2 - buten - 1 - one *	0.5 %
1122-62-9	2-Acetylpyridine	2.0 -3.0 %

4. First Aid Measures

Emergency and First Aid Procedures: No data available.

In Case of Inhalation: Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen.

In Case of Skin Contact: Get medical aid if irritation develops or persists. Wash clothing before reuse. Remove contaminated clothing and shoes. Call a physician. Wash off with soap and plenty of water.

In Case of Eye Contact: Get medical aid. In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

In Case of Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Treat symptomatically and supportively. Get medical aid if irritation or symptoms occur.

Note to Physician: Treat symptomatically and supportively. Persons with skin or eye disorders or liver, kidney, chronic respiratory diseases, or central and peripheral nervous sytem diseases may be at increased risk from exposure to this substance.

5. Fire Fighting Measures

Flash Pt: 150.00 F

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.

Fire Fighting Instructions: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Flammable Properties and Hazards: No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Ensure adequate ventilation.

Steps To Be Taken In Case Material Is Released Or Spilled: Dike to collect large liquid spills.

7. Handling and Storage

Precautions To Be Taken in Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store protected from moisture. Suitable: Keep tightly closed. Store in a tightly closed container.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm	No data.
57-55-6	Propylene glycol	No data.	No data.	No data.
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No data.	No data.	No data.
121-33-5	Vanillin	No data.	No data.	No data.
765-70-8	1,2-Cyclopentanedione, 3-methyl-	No data.	No data.	No data.
1124-11-4	2,3,5,6 - Tetramethylpyrazine	No data.	No data.	No data.
6915-15-7	Butanedioic acid, Hydroxy-	No data.	No data.	No data.
23726-91-2	(E) - 1 - (2,6,6 - Trimethyl - 1 - cyclohexen - 1 - yl) - 2 - buten - 1 - one *	No data.	No data.	No data.
1122-62-9	2-Acetylpyridine	No data.	No data.	No data.

Respiratory Equipment (Specify Type): If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls Facilities storing or utilizing this material should be equipped with an eyewash facility and

(Ventilation etc.): a safety shower.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Dark Brown color

Nutty taste and aroma.

Melting Point: No data.

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: 150.00 F

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): 1.0827 at 22.0 C

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: No data.

Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability: Light, dust generation, Moisture, Incompatible materials, Excess heat, ignition sources, moist air.

Incompatibility - Materials To Avoid: No data available.

Hazardous Decomposition Or Byproducts: Carbon monoxide, irritating and toxic fumes and gases, Carbon dioxide, Nitrogen oxides, formed under fire conditions. Carbon oxides.

Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. Toxicological Information

Toxicological Information: This mixture has not been subjected to toxicological testing but has been blended from materials with established toxicological bibliographies. In view of the difficulty of using current standard toxicological evaluation techniques to predict potential hazards to susceptible individuals or arising from unforeseeable potentiation, this preparation should be considererd and handled as if it displayed health hazards and consequently treated with all possible precaution.

Sensitization: No data available.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

General Ecological Information: This mixture as a whole has not been subjected to ecotoxicological testing. In view of the difficulty of using current standard ecotoxicological evaluation techniques to predict the impact of particular modes of release on vulnerable or localized parts of the ecosystem, this preparation should be considered and handled as if it displayed potential environmental hazards, and treated in consequence with all possible precaution.

13. Disposal Considerations

Waste Disposal Method: 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. Consult the appropriate state, regional, or local regulations for additional requirements.

14. Transport Information

GHS Classification: Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation
Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation
Skin Sensitization, Category 1 - Warning! May cause an allergic skin reaction
Flammable Liquids, Category 3 - Warning! Flammable liquid and vapor

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Extracts , Flavoring, Liquid.
DOT Hazard Class: 3 FLAMMABLE LIQUID
UN/NA Number: 1197 **Packing Group:** II

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Extracts , Flavoring, Liquid.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Extracts , Flavoring, Liquid.
UN Number: 1197 **Packing Group:** II
Hazard Class: 3 - FLAMMABLE LIQUID

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Extracts , Flavoring, Liquid.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Extracts , Flavoring, Liquid.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64-17-5	Ethyl alcohol	No	No	No
57-55-6	Propylene glycol	No	No	No
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	No	No	No
121-33-5	Vanillin	No	No	No
765-70-8	1,2-Cyclopentanedione, 3-methyl-	No	No	No
1124-11-4	2,3,5,6 - Tetramethylpyrazine	No	No	No
6915-15-7	Butanedioic acid, Hydroxy-	No	No	No
23726-91-2	(E) - 1 - (2,6,6 - Trimethyl - 1 - cyclohexen - 1 - yl) - 2 - buten - 1 - one *	No	No	No
1122-62-9	2-Acetylpyridine	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:	[X] Yes	[ ] No	Acute (immediate) Health Hazard
	[ ] Yes	[X] No	Chronic (delayed) Health Hazard
	[X] Yes	[ ] No	Fire Hazard
	[ ] Yes	[X] No	Sudden Release of Pressure Hazard
	[ ] Yes	[X] No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64-17-5	Ethyl alcohol	
57-55-6	Propylene glycol	
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	
121-33-5	Vanillin	
765-70-8	1,2-Cyclopentanedione, 3-methyl-	
1124-11-4	2,3,5,6 - Tetramethylpyrazine	
6915-15-7	Butanedioic acid, Hydroxy-	
23726-91-2	(E) - 1 - (2,6,6 - Trimethyl - 1 - cyclohexen - 1 - yl) - 2 - buten - 1 - one *	
1122-62-9	2-Acetylpyridine	

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
64-17-5	Ethyl alcohol	REACH: (R), (P)
57-55-6	Propylene glycol	REACH: (R), (P)
4940-11-8	2 - Ethyl - 3 - hydroxy - 4 - pyrone	REACH: (P)
121-33-5	Vanillin	REACH: (R), (P)
765-70-8	1,2-Cyclopentanedione, 3-methyl-	REACH: (P)
1124-11-4	2,3,5,6 - Tetramethylpyrazine	REACH: (P)
6915-15-7	Butanedioic acid, Hydroxy-	REACH: (R), (P)
23726-91-2	(E) - 1 - (2,6,6 - Trimethyl - 1 - cyclohexen - 1 - yl) - 2 - buten - 1 - one *	REACH: (P)
1122-62-9	2-Acetylpyridine	REACH: (P)

16. Other Information

Revision Date:	03/28/2014
Additional Information About This Product:	This product contains no added diacetyl as an ingredient. However, because diacetyl can occur in small amounts as an artifact of the production process in other ingredients, "No Added Diacetyl" products may not be "Diacetyl Free", as trace amounts may be present.
Company Policy or Disclaimer:	The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification . The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process, unless specified in the text .