SAFETY DATA SHEET
Red Oak Flavor

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1. Product and Company Identification

Product Code: 222R06
Product Name: Red Oak Flavor
Trade Name: Red Oak 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

Respiratory Sensitization, Category 1

GHS Signal Word: **Danger**

GHS Hazard Phrases: H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

GHS Precaution Phrases: P261: Avoid breathing {dust/fume/gas/mist/vapors/spray}.
P285: In case of inadequate ventilation wear respiratory protection.

GHS Response Phrases: P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342+311: If experiencing respiratory symptoms call a POISON CENTER or doctor/physician.

GHS Storage and Disposal Phrases: P501: Dispose of contents/container to {...}.

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

Inhalation: No known effect based on information supplied

Skin Contact: No known effect based on information supplied

Eye Contact: May cause slight irritation

Ingestion: No known effect based on information supplied

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
57-55-6	Propylene glycol	90.0 -99.0 %
98-01-1	2-Furancarboxaldehyde	< 1.0 %
64-17-5	Ethyl alcohol	< 1.0 %
98-00-0	Furfuryl alcohol	< 1.0 %

4. First Aid Measures

Emergency and First Aid Procedures: No data available.

In Case of Inhalation: Move to fresh air.

In Case of Skin Contact: Wash skin with soap and water.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Clean mouth with water and drink afterwards plenty of water.

Note to Physician: Treat symptomatically.

5. Fire Fighting Measures

Flash Pt: 200.00 F

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

Autoignition Pt: No data.

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Fire Fighting Instructions: As in any fire, wear self-contained breathing apparatus 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.

Environmental Precautions: Prevent entry into waterways, sewers, basements or confined areas.

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: Handle in accordance with good industrial hygiene and safety practice.

Precautions To Be Taken in Storing: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
57-55-6	Propylene glycol	No data.	No data.	No data.
98-01-1	2-Furancarboxaldehyde	PEL: 5 ppm	TLV: 2 ppm	No data.
64-17-5	Ethyl alcohol	PEL: 1000 ppm	TLV: 1000 ppm	No data.
98-00-0	Furfuryl alcohol	PEL: 50 ppm	TLV: 10 ppm STEL: 15 ppm	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:	Safety glasses with side-shields.
Protective Gloves:	No data available.
Other Protective Clothing:	Wear suitable protective clothing.
Engineering Controls (Ventilation etc.):	Showers Eyewash stations Ventilation systems
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:	Sweet, Vanilla, Caramel Brown, Dark Brown
Melting Point:	No data.
Boiling Point:	No data.
Autoignition Pt:	No data.
Flash Pt:	200.00 F
Explosive Limits:	LEL: No data. UEL: No data.
Specific Gravity (Water = 1):	1.038 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:	Stable under recommended storage conditions.
Incompatibility - Materials To Avoid:	None known based on information supplied.
Hazardous Decomposition Or Byproducts:	None known based on information supplied.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	Extremes of temperature and direct sunlight. Hazardous polymerization does not occur.

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.

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: Respiratory Sensitization, Category 1 - Danger! May cause allergy or asthma symptoms or breathing difficulties if inhaled

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.

LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name: Not Regulated.
UN Number:
Hazard Class:

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

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)
57-55-6	Propylene glycol	No	No	No
98-01-1	2-Furancarboxaldehyde	No	Yes 5000 LB	No
64-17-5	Ethyl alcohol	No	No	No
98-00-0	Furfuryl alcohol	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:	[ ] Yes	[X] No	Acute (immediate) Health Hazard
	[X] Yes	[ ] No	Chronic (delayed) Health Hazard
	[ ] Yes	[X] 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
57-55-6	Propylene glycol	
98-01-1	2-Furancarboxaldehyde	
64-17-5	Ethyl alcohol	
98-00-0	Furfuryl alcohol	

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
57-55-6	Propylene glycol	REACH: (R), (P)
98-01-1	2-Furancarboxaldehyde	REACH: (R), (P)
64-17-5	Ethyl alcohol	REACH: (R), (P)
98-00-0	Furfuryl alcohol	REACH: (R), (P)

16. Other Information

Revision Date: 06/17/2014

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 .