

1. Product and Company Identification

Product Code: 00075
Product Name: Cola Concentrate
Trade Name: Cola Flavor
Company Name: Perfumer's Apprentice
 170 Technology Circle
 Scotts Valley, CA 95066
Phone Number: (831)316-7137

2. Hazards Identification

Flammable Liquids, Category 4
Skin Corrosion/Irritation, Category 3
Aquatic Toxicity (Acute), Category 3
Aquatic Toxicity (Chronic), Category 4

GHS Signal Word: **Warning**
GHS Hazard Phrases: Combustible liquid.
 Causes mild skin irritation.
 Harmful to aquatic life.
 May cause long lasting harmful effects to aquatic life.
GHS Precaution Phrases: Wear protective gloves/protective clothing/eye protection/face protection.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Avoid release to the environment.
GHS Response Phrases: In case of fire, use ... to extinguish.
 If skin irritation occurs, get medical advice/attention.
GHS Storage and Disposal Phrases: Store in cool/well-ventilated place.
 Dispose of contents/container to
Potential Health Effects (Acute and Chronic):
Inhalation: May be harmful if inhaled.
Skin Contact: Causes skin irritation.
Eye Contact: May cause eye irritation.
Ingestion: May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
138-86-3	Dipentene	>=10.0 %
127-91-3	Bicyclo3.1.1heptane, 6,6-dimethyl-2-methylene-	1.0 -10.0 %
14371-10-9	trans-Cinnamaldehyde	1.0 -10.0 %
470-82-6	2-Oxabicyclo[2.2.2]octane, 1,3,3-Trimethyl-	1.0 -10.0 %
99-86-5	.alpha.-Terpinene	1.0 -10.0 %
99-87-6	P-Cymene	1.0 -10.0 %
98-55-5	.alpha.-Terpineol	1.0 -10.0 %
97-53-0	Eugenol	1.0 -10.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If inhaled, remove to fresh air.

In Case of Skin Contact: Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Remove contaminated clothing and shoes. Get medical aid if symptoms occur. Wash clothing before reuse.

In Case of Eye Contact: Get medical aid. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

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

Note to Physician: Treat symptomatically and supportively.

5. Fire Fighting Measures

Flash Pt: 98.00 F

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

Autoignition Pt: No data.

Suitable Extinguishing Media: For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide.

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

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
138-86-3	Dipentene	No data.	No data.	No data.
127-91-3	Bicyclo3.1.1heptane, 6,6-dimethyl-2-methylene-	No data.	TLV: 20 ppm	No data.
14371-10-9	trans-Cinnamaldehyde	No data.	No data.	No data.
470-82-6	2-Oxabicyclo[2.2.2]octane, 1,3,3-Trimethyl-	No data.	No data.	No data.
99-86-5	.alpha.-Terpinene	No data.	No data.	No data.
99-87-6	P-Cymene	No data.	No data.	No data.



SAFETY DATA SHEET

Cola Concentrate

98-55-5 .alpha.-Terpineol

No data.

No data.

No data.

97-53-0 Eugenol

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:

Chemical safety goggles.

Protective Gloves:

Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing:

Wear appropriate protective clothing to prevent skin exposure.

**Engineering Controls
(Ventilation etc.):**

Safety shower and eye bath. Use nonsparking tools. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

**Work/Hygienic/Maintenance
Practices:**

Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical States:

Gas Liquid Solid

Appearance and Odor:

Transparent yellow liquid.
Cola taste and aroma.

Melting Point:

No data.

Boiling Point:

No data.

Autoignition Pt:

No data.

Flash Pt:

98.00 F

Explosive Limits:

LEL: No data.

UEL: No data.

Specific Gravity (Water = 1):

No data.

**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

**Conditions To Avoid -
Instability:**

Incompatible materials, ignition sources, Excess heat, prolonged exposure to air, Strong oxidants.

**Incompatibility - Materials To
Avoid:**

Strong oxidizing agents, Mineral acids, Strong bases.

**Hazardous Decomposition Or
Byproducts:**

Carbon monoxide, irritating and toxic fumes and gases, Carbon dioxide.

**Possibility of Hazardous
Reactions:**

Will occur Will not occur

**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 considered 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: Flammable Liquids, Category 4 - Warning! Combustible liquid
Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation
Aquatic Toxicity (Acute), Category 3 - Harmful to aquatic life
Aquatic Toxicity (Chronic), Category 4 - May cause long lasting harmful effects to aquatic life

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name:

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: No information available. Not Regulated. ALPHA-PINENE.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: UN Number: 2052 Non-Hazardous for Air Transport: Non-hazardous for air transport.

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)
138-86-3	Dipentene	No	No	No
127-91-3	Bicyclo3.1.1heptane, 6,6-dimethyl-2-methylene-	No	No	No
14371-10-9	trans-Cinnamaldehyde	No	No	No
470-82-6	2-Oxabicyclo[2.2.2]octane, 1,3,3-Trimethyl-	No	No	No
99-86-5	.alpha.-Terpinene	No	No	No
99-87-6	P-Cymene	No	No	No



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98-55-5	.alpha.-Terpineol	No	No	No
97-53-0	Eugenol	No	No	No

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

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
138-86-3	Dipentene	CA PROP.65: No
127-91-3	Bicyclo3.1.1 heptane, 6,6-dimethyl-2-methylene-	CA PROP.65: No
14371-10-9	trans-Cinnamaldehyde	CA PROP.65: No
470-82-6	2-Oxabicyclo[2.2.2]octane, 1,3,3-Trimethyl-	CA PROP.65: No
99-86-5	.alpha.-Terpinene	CA PROP.65: No
99-87-6	P-Cymene	CA PROP.65: No
98-55-5	.alpha.-Terpineol	CA PROP.65: No
97-53-0	Eugenol	CA PROP.65: No

16. Other Information

Revision Date: 03/25/2014

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.