

Orange Soda FLPX LLC Safety Data Sheet



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1. Product and Company Identification

1.1 Product identifiers

Product Name Orange Soda
 Producer FLPX LLC
 Product Number No data available
 CAS-No. Mixture

1.2 Identified uses of the product and uses advised against

Identified Uses Terpenes
 Uses advised against No information available

1.3 Details of the chemical supplier

Company FLPX, LLC
 Address 324 Airport Industrial Dr.
 Ypsilanti, MI 48198
 USA
 Telephone: (1)-800-330-3233

1.4 Emergency phone number

Emergency phone number USA 1-800-424-9300 / International +1 703-527-3887 | Chemtrec CCN 845950

2. Hazards Identification

2.1 Classification of the substance or mixture

Acute toxicity – Oral	Category 4
Skin corrosion/irritation	Category 2
Serous eye damage/eye irritation	Category 2A
Skin sensitization	Category 1B
Aspiration toxicity	Category 1
Flammable liquids	Category 3

2.2 GHS Label elements, including precautionary statements

GHS Pictograms



Appearance Clear

Physical state Liquid

Odor Characteristic Odor

Hazard statements

Harmful if swallowed
 Causes skin irritation
 Causes serious eye irritation
 May cause an allergic skin reaction
 May be fatal if swallowed and enters airways
 Flammable liquid and vapor

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

Precautionary Statements – Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

If skin irritation or rash occurs: Get medical advice/attention.

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/ shower. Wash contaminated clothing before reuse.

IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

IN CASE OF FIRE: Use CO₂, dry chemical, or foam to extinguish.

Precautionary Statements – Storage

Store locked up. Store in a well-ventilated place. Keep cool.

Precautionary Statements – Disposal

Dispose of contents/container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

- Very toxic to aquatic life with long lasting effects
- Very toxic to aquatic life
- Greater than 99% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/Information on Ingredients

3.1 Product mixture

Formula	Mixture
Molecular wt	Mixture
CAS-No.	Mixture
EC-No.	Mixture

Chemical Name	CAS-No.	EC-No.	Ingredient Percent
Proprietary Mixture	n/a	n/a	100%

4. First Aid Measures

4.1 Description of first aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Skin contact	Wash off with soap and water. Consult a physician if symptoms occur.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if symptoms occur.
Inhalation	In case of difficult breathing, move person to fresh air. Consult a physician if symptoms occur.
Ingestion	Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects	The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.
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4.3 Indication of any immediate medical attention and special treatment needed

Other first aid	No data available
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5. Fire Fighting Measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, dry chemical, or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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5.2 Special hazards arising from the substance or mixture

Special hazards	Excessive thermal decomposition at very high temperatures can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition.
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5.3 Advice for firefighters

Protective equipment

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

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions

For personal protection see section 8.

6.2 Environmental precautions

Environmental precautions

In case of large spills, dike spill to prevent runoff into sewers and drains. Recover as much of the material as possible.

6.3 Methods and materials for containment and cleaning up

Methods for cleanup

Soak up with inert absorbent material and dispose. Keep in suitable, closed containers for disposal.

6.4 References to other sections

Other references

For disposal see section 13.

7. Handling and Storage

7.1 General hygiene considerations

General hygiene

Avoid contact with skin and eyes. In case of large quantities of vapor or mist, use local exhaust or general dilution ventilation to control exposure within applicable limits. For precautions see section 2.2.

7.2 Precautions for safe handling

Safe handling precautions

Keep container tightly closed in a cool, dry and well-ventilated place.

7.3 Conditions for safe storage, including any incompatibilities

Other storage conditions

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
beta-Pinene 127-91-3	TWA: 20 ppm	-	-
alpha-Pinene 80-56-8	TWA: 20 ppm	-	-
Citral 5392-40-5	TWA: 5 ppm inhalable fraction and vapor S*	-	-
delta-3-Carene	TWA: 20 ppm	-	-

8.2 Appropriate engineering controls

Engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use adequate ventilation where dust forms to keep concentration under exposure control limits. Showers. Eyewash stations. Ventilation systems.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection

None required for consumer use. For manufacturing quantities: where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection

None required for consumer use. For manufacturing quantities: safety glasses with side-shields conforming to EN166 are recommended. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Hand protection

None required for consumer use. For manufacturing quantities: handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

None required for consumer use. For manufacturing quantities: wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Physical appearance	Liquid. Clear. Colorless to Pale Yellow.
b) Odor	Characteristic Odor
c) Odor threshold	No data available
d) pH	No data available
e) Melting/freezing point	No data available
f) Boiling point	No data available
g) Flash point (closed cup)	50.2°C (122.4 °F)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	Upper (UEL): No data available Lower (LEL): No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	0.8305-8505 g/mL
n) Water solubility	Insoluble
o) Partition coefficient octanol/water	No data available
p) Auto-ignition temp	No data available
q) Decomposition temp	No data available
r) Viscosity	No data available

10. Stability and Reactivity

10.1 Reactivity

Reactivity No data available

10.2 Chemical stability

Chemical stability Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions

Hazardous reactions No data available

10.4 Conditions to avoid

Conditions to avoid Avoid temperatures exceeding the flashpoint.

10.5 Incompatible materials

Incompatible materials Strong oxidizing agents

10.6 Hazardous decomposition products

Hazardous products In the event of fire, see section 5.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	No data available
Acute dermal toxicity	No data available
Acute inhalation toxicity	No data available

Skin corrosion/irritation

Skin corrosion irritation Irritating to skin.

Serious eye damage/eye irritation

Eye damage/eye irritation Causes serious eye irritation.

Respiratory or skin sensitization

Respiratory sensitizer No data available
 Skin sensitizer May cause sensitization by skin contact.

Germ cell mutagenicity

Mutagenicity No data available

Carcinogenicity

Chemical Name	ACGIH	IARC	NTP	OSHA
d-Limonene 5989-27-5		Group 2A Group 3		X

Legend

IARC (International Agency for Research on Cancer)

Group 2A – Probably Carcinogenic to Humans

Group 3 – Not classifiable as a human carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity

Reproductive toxicity This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.

Aspiration hazard

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity – Product Information

Unknown acute toxicity Greater than 98.61% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document.

12. Ecological Information

This product contains a chemical which is listed as a severe marine pollutant according to DOT.

12.1 Ecotoxicity (aquatic and terrestrial)

Very toxic to aquatic life with long lasting effects
 Greater than 36% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

12.2 Persistence and degradability

Degradability No data available

12.3 Bioaccumulation potential

Bioaccumulation No data available

12.4 Mobility in soil

Mobility in soil No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment Not available as chemical safety assessment not required/not conducted.

13. Disposal Considerations

13.1 Waste treatment methods

Waste treatment disposal Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority

14. Transport Information

DOT

UN/ID no 1197
Proper Shipping Name Extracts, Flavouring, Liquid
Hazard Class 3
Packing Group III
Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to DOT.
Description (Limonene)

IMDG

UN/ID no 1197
Proper Shipping Name Extracts, Flavouring, Liquid
Hazard Class 3
Packing Group III
Marine Pollutant This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO.
Description (Limonene)

IATA

UN/ID no 1197
Proper Shipping Name Extracts, Flavouring, Liquid
Hazard Class 3
Packing Group III

15. Regulatory Information

15.1 Safety, health, and environmental regulations specific to the product or mixture

SARA 302 Components No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards
Acute Health Hazard Yes
Chronic Health Hazard No
Fire Hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

SARA 313 Components This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

CWA (Clean Water Act) This product does not contain any substances which are regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

15.2 US State Regulations

U.S. State Right-to-Know Regulations

This product contains substance(s) regulated by state right-to-know regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania	Rhode Island
alpha-Pinene 80-56-8	X	X	X	
Terpinolene 586-62-9	X			
para-Cymene 99-87-6		X	X	

15.3 U.S. EPA Label Information

EPA Pesticide registration number Not applicable

16. Other Information

Revision Date 29 December 2020

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. FLPX, LLC assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, FLPX, LLC assumes no responsibility for injury to vendee or third persons proximately caused by use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

Abbreviations and acronyms
 IMDG - International Maritime Code for Dangerous Goods
 TDG - Transportation of Dangerous Goods
 IATA - International Air Transport Association

GHS - Globally Harmonized System of Classification and Labelling of Chemicals
PBT - Persistent, bioaccumulative and toxic assessment
vPvB - Very persistent and very bioaccumulative assessment
ACGIH - American Conference of Governmental Industrial Hygienists
NIOSH - National Institute for Occupational Safety and Health
TLV - Threshold Limit Values
CAS - Chemical Abstracts Service (division of the American Chemical Society)
CFR - Code of Federal Regulations
SARA - Superfund Amendments and Reauthorization Act
DOT - US Department of Transportation
EC50 - Half maximal effective concentration
LD50 - Median lethal dose
LC50 - Median lethal concentration
SDS - Safety Data Sheet