

Safety Data Sheet (10% BST)

According to Federal Register | Vol. 77, No. 58 | Rules and Regulations

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1 IDENTIFICATION

CAS# Not Applicable

SUBSTANCE / MIXTURE Mixture

1.2 INTENDED USE AND ADVISED AGAINST USE OF THE SUBSTANCE OR MIXTURE

Intended Use Alcohol-based liquid to be used in alcoholic beverages, GRAS Food Grade & Supplement Manufacturing, or as aromas & flavoring.

Advised Against Use The products should not be used in ways other than those listed above.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Lab Effects, LLC
741 Corporate Cir
Golden, CO 80401 USA
1.720.524.6369
info@labeffects.com | www.labeffects.com

1.4 EMERGENCY CONTACT NUMBER

CHEMTREC
USA: 800.424.9300
International: +1.703.527.3887

SECTION 2: HAZARDS IDENTIFICATION

2.2 GHS LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS

This profile contains some or all the following precautionary and/or hazard statements.

Hazard Pictograms



Signal Word

Warning

Hazard Statements

H302 – Harmful if swallowed
H304 – May be fatal if swallowed and enters airways
H315 – Causes skin irritation
H317 – May cause an allergic skin reaction
H318 – Causes serious eye damage
H335 – May cause respiratory irritation
H400 – Very toxic to aquatic life
H402 – Harmful to aquatic life
H410 – Very toxic to aquatic life with long lasting effects
H411 – Toxic to aquatic life with long lasting effects

Precautionary Statements

P210 – Keep away from heat, hot surface, sparks, open flames, and other ignition sources. - No smoking.
P233 – Keep container tightly closed.
P240 – Ground/bond container and receiving equipment.
P241 – Use explosion-proof electrical and lighting equipment.
P242 – Use only non-sparking tools.

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P243 – Take precautionary measures against static discharge.
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 – Wash hands thoroughly after handling.
P270 – Do not eat, drink, or smoke when using this product.
P271 – Use only outdoors or in a well-ventilated area.
P272 – Contaminated work clothing should not be allowed out of the workplace.
P273 – Avoid release to the environment.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.

Response Precautionary Statements

P310 – Immediately call a POISON CENTER or doctor/physician.
P312 – Call a POISON CENTER or doctor/physician if you feel unwell.
P321 – Specific treatment (see supplemental first aid instructions on this label).
P331 – Do NOT induce vomiting.
P362 – Take off contaminated clothing.
P363 – Wash contaminated clothing before reuse.
P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 – IF ON SKIN: wash with plenty of water.
P303+P361+P353 – IF ON SKIN (or hair): Take off Immediately all contaminated clothing. Rinse SKIN with water or shower.
P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313 – IF SKIN irritation occurs: Get medical advice/attention.
P333+P313 – IF SKIN irritation or rash occurs: Get medical advice/attention.
P362+P364 – Take off contaminated clothing and wash it before reuse.
P370+P378 – In case of fire: Use media other than water to extinguish.
P391 – Collect spillage.

Storage Precautionary Statements

P405 – Store locked up.
P403+P233 – Store in a well-ventilated place. Keep container tightly closed.
P403+P235 – Store in a well-ventilated place. Keep cool.
P501 – Dispose in a safe manner in accordance with local/national regulations.

2.3 HAZARDS NOT OTHERWISE CLASSIFIED (HNO) OR NOT COVERED BY GHS

No additional information available

2.4 UNKNOWN ACUTE TOXICITY (GHS US)

Not applicable

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product will contain two or more of the listed ingredients under Section 3.2

3.1 SUBSTANCES

Not Applicable

3.2 MIXTURES

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Name	CAS#	MOLECULAR FORMULA
Ethanal	75-07-0	C ₂ H ₄ O
Natural Gras Solubilizers (Proprietary modified multi-layered vegetable oil)	Not Applicable	Not Applicable
PEG	107-21-1	C ₂ H ₆ O ₂
Alpha Fenchone	4695-62-9	C ₁₀ H ₁₆ O
Alpha Phellandrene	99-983-2	C ₁₀ H ₁₆
Alpha Pinene	80-56-8	C ₁₀ H ₁₆
Alpha Terpinene	99-86-5	C ₁₀ H ₁₆
Alpha Terpineol	99-55-5	C ₁₀ H ₁₈ O
Beta Caryophyllene	87-44-5	C ₁₅ H ₂₄
Beta Pinene	127-91-3	C ₁₀ H ₁₆
Bisabolene	495-62-5	C ₁₅ H ₂₄
Borneol	507-70-0	C ₁₀ H ₁₈ O
Camphene	79-92-5	C ₁₀ H ₁₆
Caryophyllene Oxide	1139-30-6	C ₁₅ H ₂₄ O
Citronellol 80	106-22-9	C ₁₀ H ₂₀ O
Delta 3 Carene	13466-78-9	C ₁₀ H ₁₆
Eucalyptol	470-82-6	C ₁₀ H ₁₈ O
Gamma Terpinene	99-85-4	C ₁₀ H ₁₆
Geraniol 60	106-24-1	C ₁₀ H ₁₈ O
Guaiacol	90-05-1	C ₇ H ₈ O ₂
Humulene	6753-98-6	C ₁₅ H ₂₄
Isopulegol	89-79-2	C ₁₀ H ₁₈ O
D-Limonene	5989-27-5	C ₁₀ H ₁₆
Linalool	78-70-6	C ₁₀ H ₁₈ O
Myrcene	123-35-3	C ₁₀ H ₁₆
Nerolidol	7212-44-4	C ₁₅ H ₂₆ O
Para Cymene	99-87-6	C ₁₀ H ₁₄
Phytol	150-86-7	C ₂₀ H ₄₀ O
Sabinene	3387-41-5	C ₁₀ H ₁₆
Terpinolene	586-62-9	C ₁₀ H ₁₆
Trans β Ocimene	3397-61-1	C ₁₀ H ₁₆

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

General Advice

- Move out of dangerous area.

If Inhaled

- If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In Case of Skin Contact

- Wash off with soap and plenty of water.

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In Case of Eye Contact

- Flush eyes with water as a precaution.

If Swallowed

- Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS (ACUTE AND DELAYED)

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA

Suitable extinguishing media

Water Spray, Dry Chemical Powder, Dry Powder. Foam, Carbon Dioxide, Sand

5.2 SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE

No Data Available

5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Protection during firefighting

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering environment.

Do not attempt to take action without suitable protective equipment.

Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1. FOR NON-EMERGENCY PERSONNEL

Evacuate Unnecessary Personnel

6.1.2. FOR EMERGENCY RESPONDERS

Protective equipment

Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Ventilate the area.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid release to the environment. Notify authorities if liquid enters sewer or public waters.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for cleaning up

Take up liquid spill into absorbent material such as clay or diatomaceous earth as soon as possible. Collect spillage.

Other information

Dispose of materials or solid residues at an authorized site.

6.4 REFERENCE TO OTHER SECTIONS

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for safe handling

- Ensure good ventilation of the workstation. Avoid contact with skin and eyes. Wear personal protective equipment. Provide good ventilation in process area to prevent formation of vapor.

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Hygiene measures

- Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage conditions

Store in a well-ventilated place. Keep cool. Keep lid closed when not in use. Incompatible Products/Materials – strong bases, strong acids, sources of ignition, direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

No additional information available

8.2 APPROPRIATE ENGINEERING CONTROLS

General industrial hygiene practices.

Appropriate engineering controls

Ensure good ventilation of the workstation.

Environmental exposure controls

Avoid release to the environment.

8.3 INDIVIDUAL PROTECTION MEASURES/PERSONAL PROTECTIVE EQUIPMENT

Hand Protection:

Protective gloves

Eye Protection:

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH(US) or EN166(EU).

Skin Protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques (without touching the 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:

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substances at the specific work-place.

Respiratory Protection:

Respiratory protection is not required. If needed, use type N95(US) or type P1(EN143 dust masks. Use masks tested and approved under appropriate government standards such as NIOSH(US) or CEN(EU).

Control of Environmental Exposure

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state

Liquid

Color

CLEAR TO YELLOWISH LIQUID

Odor

CHARACTERISTIC

Odor Threshold

No data available

Particle Size

<100nm

Terpene Load

8% (80MG / G)

Salmonella SSP

NEG / 10G

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Yeast & Mold	<100 CFU / G
Staphylococcus Aureus	NEG / 10G
E.coli	NEG / 10G
pH	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	No data available
Flash Point	No data available
Relative Evaporation Rate (butyl acetate=1)	No data available
Flammability (solid, gas)	Not applicable
Vapor Pressure	No data available
Relative Vapor Density at 20 °C	No data available
Relative Density	No data available
Solubility	SOLUBLE IN ALCOHOL-BASED LIQUIDS
Log Pow	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity, Kinematic	No data available
Viscosity, Dynamic	No data available
Explosion Limits	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

9.2 OTHER INFORMATION

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

No data available

10.2 CHEMICAL STABILITY

Stable under recommended storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known under normal conditions of use.

10.4 CONDITIONS TO AVOID

Direct sunlight, extremely high or low temperatures.

10.5 INCOMPATIBLE MATERIALS

Strong acids. Strong bases.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

Fume. Carbon monoxide. Carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

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Acute Toxicity	Not classified
Inhalation	Not classified
Dermal	Not classified
LD50 Intravenous	Not classified
Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Irritation	Causes serious eye irritation.
Respiratory or Skin Sensitization	Not classified
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
STOT-Single Exposure	Not classified
STOT-Repeated Exposure	Not classified
Aspiration Hazard	Not classified
Symptoms/Effects After Skin Contact	Irritation
Symptoms/Effects After Eye Contact	Eye Irritation

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY

No additional information available.

12.2 PERSISTENCE AND DEGRADABILITY

No additional information available.

12.3 BIOACCUMULATIVE POTENTIAL

No additional information available

12.4 MOBILITY IN SOIL

No additional information available

RESULTS OF PBT AND vPvB ASSESSMENT

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

12.6 OTHER ADVERSE EFFECTS

No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 DISPOSAL METHODS

Waste Treatment Methods	Dispose of contents/container in accordance with local/national regulations. Avoid release to the environment.
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SECTION 14: TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT)	In accordance with DOT. Not regulated for transport.
TRANSPORTATION OF DANGEROUS GOODS	Not applicable
TRANSPORT BY SEA	Not applicable
AIR TRANSPORT	Not applicable

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SECTION 15: REGULATORY INFORMATION

15.1 US FEDERAL REGULATIONS

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

15.2 INTERNATIONAL REGULATIONS

CANADA

Listed on the Canadian DSL (Domestic Substances List)

EU REGULATIONS

No additional information available

NATIONAL REGULATIONS

No additional information available

15.3 US STATE REGULATIONS

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: OTHER INFORMATION

All isolated terpenes, oils, and natural flavors listed above (Section 3.2) fall within the NFPA categories listed below.

HMIS RATING

Health Hazard: 3

Chronic Health Hazard: /

Fire Hazard: 3

Physical Hazard: 1

Personal Protection: B

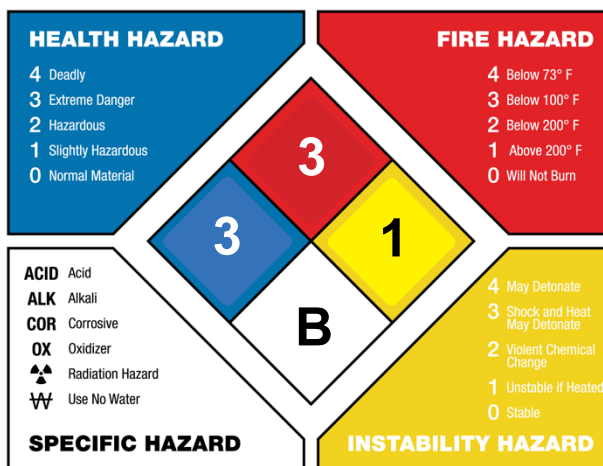
NFPA RATING

Health Hazard: 3

Fire Hazard: 3

Reactivity Hazard: 1

Specific Hazard: N/A



SECTION 17: ANALYSIS

17.1 FORM

Liquid

Conforms to Federal Guidelines

17.2 ODOR

Unique to specific profile

Conforms to Federal Guidelines

17.3 PURITY

Unadulterated / No Additives (No MCT, VEA, PG/VG, Mineral Oil, Squalene, PEG)

Conforms to Federal Guidelines

17.4 PESTICIDES

Conforms to Federal Guidelines

17.5 HEAVY METALS

Conforms to Federal Guidelines

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FURTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lab Effects, LLC and its affiliates shall not be held liable from any damage resulting from handling or from use with the product listed above.