



## Safety Data Sheet

### 1. Identification

<b>Product identifier</b>	Wiseair Verbena	
<b>Manufacturer</b>	West Sanitation Services, Inc.	
<b>Address</b>	2158 Beaumont Dr - Baton Rouge, LA 70806	
<b>Telephone</b>	General Assistance	225-302-5570
<b>Emergency phone number</b>	CHEMTREC:	800-424-9300

### 2. Hazards identification

<b>Physical hazards</b>	Flammable Liquids	Category 4
<b>Health hazards</b>	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 1
	Sensitization, skin	Category 1
	<b>Environmental hazards</b>	Hazardous to the aquatic environment, acute hazard
	Hazardous to the aquatic environment, long-term hazard	Category 2
<b>OSHA defined hazards</b>	Not classified.	

#### Label elements



**Signal word** Danger

#### Hazard statement

Combustible liquid. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

#### Precautionary statement

##### Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Avoid breathing mist or vapor. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

## Response

If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. In case of fire: Use appropriate media to extinguish. Collect spillage.

## Storage

Store in a well-ventilated place. Keep cool.

## Disposal

Dispose of contents / container in accordance with local/regional /national/ International regulations.

**Hazard(s) not otherwise classified (HNOC)** None known.

**Supplemental information** None

## 3. Composition /information on ingredients

Chemical name	CAS number	%
citral	5392-40-5	24.967
METHYL DIHYDROJASMONATE	24851-98-7	15.5
LEMON OIL	8008-56-8	10.944
ALPHA-HEXYLCINNAMALDEHYDE	101-86-0	8.4
ORANGE TERPENES	68647-72-3	8.034
GERANIOL	106-24-1	5.035
GAMMA-UNDECALACTONE	104-67-6	5
LINALOOL	78-70-6	4.832
LEMON TERPENES	68917-33-9	4.312
LINALYL ACETATE	115-95-7	3.2
METHYL BETA-NAPHTHYL KETONE	93-08-3	3
BETA-PINENE	127-91-3	1.97
DL-CITRONELLOL	106-22-9	1.5
p-Mentha-1,4-diene	99-85-4	1.231
CITRONELLYL NITRILE	51566-62-2	1
ALPHA-PINENE	80-56-8	0.274
LITSEA CUBEBA OIL	68855-99-2	0.25
GERANYL ACETATE	105-87-3	0.109
Other components below reportable levels		0.441

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## 4. First-aid measures

### Inhalation

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

#### **Skin contact**

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse

#### **Eye contact**

Immediately flush eyes with plenty of water for at least 15 minutes. Remove Contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists

#### **Ingestion**

Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately

#### **Most important symptoms/effects, acute and delayed**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

#### **Indication of immediate medical attention and special treatment needed**

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

#### **General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

## **5. Fire-fighting measures**

#### **Suitable extinguishing media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

#### **Unsuitable extinguishing media**

Do not use water jet as an extinguisher, as this will spread the fire.

#### **Specific hazards arising from the chemical**

The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.

#### **Special protective equipment precautions for firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### **Firefighting equipment/instructions**

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

#### **Specific methods**

Use standard firefighting procedures and consider the hazards of other involved

materials.

**General fire hazards**

Combustible liquid.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and material for containment and cleaning up:**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS

**Environmental precautions:**

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases

## 7. Handling and storage:

**Precautions for safe handling:**

Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Provide adequate ventilation. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wear

appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices. Use care in handling/storage.

**Conditions for safe storage, including any incompatibilities**

Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
ALPHA-PINENE (CAS 80-56-8)	TWA	20 ppm	
BETA-PINENE (CAS 127-91-3)	TWA	20 ppm	
citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapor

#### Biological limit values

No biological exposure limits noted for the ingredient(s)

#### Exposure guidelines

##### US ACGIH Threshold Limit Values: Skin designation

citral (CAS 5392-40-5) Can be absorbed through the skin

#### Appropriate engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling the product.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection :** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection :** Wear appropriate chemical resistant gloves

**Other** Wear appropriate chemical resistant clothing.

**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or

smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

## 9. Physical and Chemical Properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Colorless to Yellow Green
Odor	Citrus; Floral
Odor threshold	Not available.
pH	Non-applicable.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.
Flash point	146.0 °F (63.3 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Not available.	
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Insoluble
Partition coefficient (n-octanol/water).	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information.	
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Specific gravity	0.893 – 0.913 @25C
VOC (Weight %)	Not available

## 10. Stability and Reactivity

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport

**Chemical stability**

Material is stable under normal conditions

**Possibility of hazardous reactions**

No dangerous reaction known under conditions of normal use

**Conditions to avoid**

Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials:** Strong oxidizing agents.

**Hazardous decomposition products:** No hazardous decomposition products are known.

## 11. Toxicological Information

**Information on likely routes of exposure**

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes skin irritation. May cause an allergic skin reaction
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

**Information on toxicological effects**

<b>Acute toxicity</b>	May cause an allergic skin reaction.
<b>Skin corrosion/irritation</b>	Causes skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.

**Respiratory or skin sensitization****ACGIH Sensitization**

ALPHA-PINENE (CAS 80-56-8)	Dermal sensitization
BETA-PINENE (CAS 127-91-3)	Dermal sensitization
citral (CAS 5392-40-5)	Dermal sensitization

<b>Respiratory sensitization</b>	Not a Respiratory sensitizer.
<b>Skin sensitization</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Not available.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

	Not listed.
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>	Not available.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity single exposure</b>	Not classified.
<b>Specific target organ toxicity Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	Not an aspiration hazard. Prolonged inhalation may be harmful

## 12. Ecological Information

<b>Ecotoxicity</b>	Toxic to aquatic life with long lasting effects.
<b>Persistence and degradability</b>	No data is available on the degradability of this product.
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component

## 13. Disposal considerations

### **Disposal instructions**

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations

### **Local disposal regulations**

Dispose in accordance with all applicable regulations.

### **Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### **Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### **Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.



## 14. Transport information

### DOT

UN number UN3082  
UN proper shipping name Environmentally hazardous substances, liquid, n.o.s.

### Transport hazard class(es)

Class 9  
Subsidiary risk -  
Label(s) 9  
Packing group III  
Marine pollutant Yes  
Environmental hazards  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.  
Special provisions 8, 146, 335, IB3, T4, TP1, TP29  
Packaging exceptions 155  
Packaging non bulk 203  
Packaging bulk 241

### IATA

UN number UN3082  
UN proper shipping name Environmentally hazardous substance, liquid, n.o.s.

### Transport hazard class(es)

Class 9  
Subsidiary risk -  
Packing group III  
Environmental hazards Yes  
ERG Code 9L  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.  
Passenger and cargo aircraft Allowed.  
Other information  
Cargo aircraft only Allowed.

### IMDG

UN number UN3082  
UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

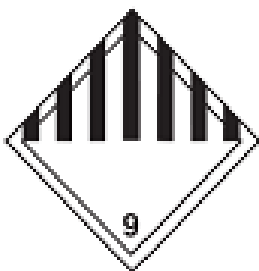
### Transport hazard class(es)

Class 9  
Subsidiary risk -  
Packing group III  
Marine pollutant Yes  
Environmental hazards  
EmS F-A, S-F  
Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not established.

**DOT; IATA; IMDG**



**Marine pollutant**



**General information**

IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant

## 15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

ALPHA-PINENE (CAS 80-56-8) Listed

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - Yes
	Pressure Hazard - No
	Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)**

Not regulated.

**US state regulations**

**US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not Listed.

**US. Massachusetts RTK - Substance List**

ALPHA-PINENE (CAS 80-56-8)

**US. New Jersey Worker and Community Right-to-Know Act**

ALPHA-PINENE (CAS 80-56-8)

**US. Pennsylvania Worker and Community Right-to-Know Law**

ALPHA-PINENE (CAS 80-56-8)

**US. Rhode Island RTK**

Not regulated.

**US. California Proposition 65**

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**16. Other Information, including date of preparation or last revision**

<b>Issue date</b>	11-09-2016
<b>Revision date</b>	11-09-2016
<b>Version#</b>	03
<b>HMIS® ratings</b>	Health: 3 Flammability: 2 Physical hazard: 0 Personal protection: D

**Revision Indicator:** New SDS    Date 12/20/16

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