

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product Identifiers

Product Name: VerdiLife Wood Vinegar
Product Number: GTIN - 195893309610
Brand: VerdiLife

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) Not known

1.3 Details of the supplier of the safety data sheet

Company: VerdiLife Inc.
Address: 2000 James St. #105, Coralville, Iowa, USA 52241.
Tell:
Fax:
Email: verdilifeinc@gmail.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Flammable liquids (Category 3), H226
Acute toxicity, Dermal (Category 4), H312
Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements



Pictogram

Signal word: Warning

Hazard statement(s)

H226 Flammable liquid and vapor.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P233 Keep container tightly closed.

P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303+P361+P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P322	Specific measures (see supplemental first aid instructions on this label).
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P370 + P378	In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 GHS Label elements, including precautionary statements

Hazards not otherwise classified (HNOC) or not covered by GHS: None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Components:	Pyroligneous Acids
Formula:	N/A
Molecular wt.	N/A
CAS No.:	N/A
Concentration:	N/A

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. Move out of dangerous area.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.



In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Call a POISON CENTER or doctor if you feel unwell. Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, dry powder, or carbon dioxide to extinguish.

Unsuitable extinguishing media

Water jet spray

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Special protective equipment for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment, and emergency procedures

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

This material and its container must be disposed of in a safe way.

6.3 Methods and materials for containment and cleaning up

Absorb spillages onto sand, earth, or any suitable adsorbent material. Transfer to a container for disposal. Containers must not be punctured or destroyed by burning, even when empty.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

7.2 Conditions for safe storage, including any incompatibilities

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters



Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection.

A washing facility/water for eye and skin cleaning purposes should be present.

Personal protective equipment

Eye protection

Wear eye protection with side protection (EN166).

Skin and body protection

Wear protective clothing and gloves: Impervious gloves (EN 374).

Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

Environmental Exposure Controls

Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form:	Liquid
Color:	Reddish-Brownish clear liquid

Safety data

pH: ≥ 2.5	
Melting point (°C):	no data available
Boiling point (°C):	98
Flash point (°F) Closed cup:	>200
Ignition temperature:	no data available
Autoignition temperature:	no data available
Upper/Lower explosions limit:	no data available
Vapor pressure (mm Hg @20 °C):	<25.0
Density:	8.59 lbs./gallon at 68 °F
Water solubility:	Soluble
Partition coefficient n-octanol/water:	no data available
Relative vapor density:	2.1
Odor:	Smokey
Odor Threshold:	no data available
Evaporation rates:	no data available

10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical: Stability Stable under normal conditions.

10.3 Possibility of hazardous reactions: No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid: Avoid friction, sparks, or other means of ignition.

10.5 Incompatible materials: Oxidizing agents, Strong bases, Nitrites.

10.6 Hazardous decomposition products: No hazardous decomposition products known.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:	No data available
Inhalation:	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No data available
Respiratory or skin sensitization:	No data available
Germ cell mutagenicity:	No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Potential health effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

12. ECOLOGICAL INFORMATION

12.1 Toxicity:	No data available
12.2 Persistence and degradability:	No data available
12.3 Bio-accumulative potential:	No data available
12.4 Mobility in soil:	No data available
12.5 Other adverse effects:	No data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Dispose of contents in accordance with local, state, or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers, or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer, or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

Contaminated packaging: Dispose of as unused product.



14. TRANSPORT INFORMATION

14.1 UN number:	Not applicable. Not dangerous goods.
14.2. UN proper shipping name: Not applicable.	Not dangerous goods.
14.3 Transport hazard class(es): Not applicable.	Not dangerous goods.
14.4 Tracking group:	Not applicable. Not dangerous goods.
14.5 Environmental hazard:	Not classified as a Marine Pollutant.
14.6 Special precautions for user:	Not known
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:	Not known

15. REGULATORY INFORMATION

15.1 US Federal Regulations

Toxic and hazardous substances (29 CFR 1910; Subpart Z):	Not listed
National emission standards for hazardous air pollutants (40 CFR 61.01):	Not listed
SARA Title III Section 313:	Not listed
TSCA (Toxic Substance Control Act):	Listed: 8030-97-5 (Active)
CAA 602 - Ozone Depleting Substances (ODS):	Not listed

15.2 US State Regulations

State Right to Know Lists

Proposition 65 (California):	Not listed
Minnesota:	Not listed
New Jersey:	Not listed
Pennsylvania:	Not listed
Rhode Island:	Not listed

15.3 Other

OSPAR List of Chemicals for Priority Action:	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactive):	Not listed
NTP (National Toxicology Program):	Not listed
IARC (International Agency for Research on Cancer):	Not listed
