SAFETY DATA SHEET

CONCENTRATED VINEGAR (5% TO 40%) NON-GMO

Product Codes: BV05, BV10, BV20,BV30,BV40
Revision Date: Nov 25, 2026
Version: 2.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**White Distilled Vinegar (50 grain to 400 grain or 5% to 40%) NON-GMO**	**Product Form**	Mixture
Synonyms	Concentrated Vinegar NON-GMO, Multi-Purpose Vinegar Cleaner	**Type of Product**	Home & Garden, Multi-Purpose Cleaner
Supplier Details	**Blendmagic Products, LLC** | PO Box 220, East Islip, NY 11730 | Tel: (631) 572-3381 | blendmagicproducts.com		
Recommended Use	Home and Garden, multi-purpose cleaner. *Restriction: Not for food use.*		
Emergency Numbers	**24/7 CHEMTREC (USA):** (800) 424-9300		

2. HAZARDS IDENTIFICATION

Signal Word	**WARNING**
GHS Classification	• Eye Irritation Category 2A • Skin Irritation Category 2 • Physical: Not Hazardous
Hazard Statements	Causes skin irritation. Causes serious eye irritation.

GHS PICTOGRAM



Precautionary Statements:

Prevention & Handling:

- Wash hands thoroughly after handling.
- Wear protective gloves, protective clothing, and eye protection.

Response & Storage:

- **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 attention.
- **IF ON SKIN:** Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component Name	CAS Number	Amount %	GHS-US Classification
Acetic Acid	64-19-7	5% to 40%*	Eye Irrit. 2A (H319); Skin Irrit. 2 (H315)
Water	7732-18-5	60% to 95%*	Not classified

*The specific identity and/or exact percentage of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

- **Inhalation:** Remove to fresh air. If person is not breathing, call 911 or an ambulance. Then give artificial respiration, preferably mouth-to-mouth, if possible. If irritation persists, get medical attention.
- **Skin Contact:** Immediately flush skin with water for several minutes after contact. Remove any contaminated clothing and wash it before reuse. If irritation persists, get medical attention.
- **Eye Contact:** Flush eyes with water while lifting the upper and lower lids for at least 15-20 minutes. Remove contact lenses if present and easy to do, after the first 5 minutes; then continue flushing. Get medical attention if irritation persists.
- **Ingestion:** If the person is alert, have them rinse their mouth with water and give 1 glass of water to sip. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Immediately call a doctor or poison center.
- **Most Important Symptoms:** Causes serious eye irritation. Causes skin irritation. May be harmful if swallowed. Inhalation of vapors may cause mucous membrane and upper respiratory irritation.
- **Immediate Medical Attention:** If ingestion or eye contact occurs, get medical attention.

5. FIRE-FIGHTING MEASURES

- **Extinguishing Media:** Use any media appropriate for the surrounding fire.
- **Specific Fire Hazards:** Not flammable or combustible. Combustion may produce oxides of carbon.
- **Special Protective Equipment:** Firefighters should wear positive pressure self-contained breathing apparatus (SCBA) and full protective clothing for fires in areas where chemicals are used or stored.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Avoid contact with eyes, skin, and clothing. Avoid breathing vapors. Wear personal protective equipment as described in Section 8.
- **Environmental Hazards:** Avoid release into the environment. Report spill as required by local and federal regulations.
- **Clean-Up Methods:** Dilute spilled liquid with water. Large spills can be neutralized with dilute solutions of soda ash or lime. Collect with an absorbent material and collect into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:
Avoid contact with eye and skin. Avoid breathing vapors. Wear protective clothing when handling. Wash thoroughly after handling. Use with adequate ventilation. Wash contaminated clothing before reuse. Discard contaminated leather items like shoes and belts that cannot be decontaminated. Keep out of reach of children and pets. DO NOT mix with other household cleaning agents.

Conditions for Safe Storage:
Keep from freezing. Store only in original tightly sealed container and out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Component	OSHA PEL	ACGIH TLV
Acetic Acid (64-19-7)	10 ppm TWA	10 ppm TWA, 15 ppm STEL
Water (7732-18-5)	None Established	None Established

Engineering Controls: Use outdoors or with adequate ventilation to maintain exposure levels below the exposure limits above.

Personal Protective Equipment (PPE):
• **Gloves:** Neoprene or other impervious gloves are recommended.
• **Eye Protection:** Safety goggles recommended.
• **Respiratory Protection:** If exposure limits are exceeded, wear an approved respirator for organic vapors.
• **Other Protection:** Wear protective clothing as needed to avoid skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid with vinegar color
Odor	Vinegar odor
Odor Threshold	0.21 – 1 ppm (acetic acid)
pH Value	2.1 to 2.8
Melting / Freezing Point	~30°F
Boiling Point	215°F

Flash Point	None
Flammable Limits	LEL: 4% (acetic acid) | UEL: N/A
Vapor Pressure	11 mmHg @ 20°C (acetic acid)
Vapor Density	2.1 (acetic acid)
Relative Density	1.025
Solubility in Water	Completely soluble
Partition Coefficient	-0.17 (n-octanol/water, acetic acid)

10. STABILITY AND REACTIVITY

- **Reactivity:** Not normally reactive.
- **Chemical Stability:** Stable.
- **Possibility of Hazardous Reactions:** Reacts with bases generating heat.
- **Conditions to Avoid:** Avoid freezing and excessive heat.
- **Incompatible Materials:** Bases, strong oxidizers.
- **Hazardous Decomposition Products:** Thermal decomposition may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity & Routes of Exposure:
• **Acetic Acid (64-19-7):** Oral Rat LD50: 3,310 mg/kg; Dermal Rabbit LD50: 1,060 mg/kg; Inhalation Rat LC50: 11.4 mg/L / 4 hr.
• **Inhalation:** May cause irritation to nose, throat, and upper respiratory tract. High concentrations of acetic acid vapor may cause pulmonary edema.
• **Ingestion:** May be harmful if swallowed. Causes mouth, throat, and gastrointestinal irritation.

Health Hazards & Specific Effects:
• **Skin Contact:** Causes skin irritation and possible burns on prolonged contact.
• **Eye Contact:** Causes serious eye irritation.
• **Chronic Hazards / Carcinogenicity:** None known. None of the components are listed as a carcinogen by IARC, NTP, ACGIH, or OSHA.
• **Mutagenicity / Reproductive Toxicity:** None shown.

12. ECOLOGICAL INFORMATION

Acetic Acid:
• *Fathead minnow (Pimephales promelas) LC50:* 79 mg/L / 96 hr.
• *Daphnia magna EC50:* 6,000 mg/L / 24 hr.
Persistence & Degradability: Readily biodegradable.
Bioaccumulative Potential: Not bioaccumulative.
Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state/provincial, and national requirements.

14. TRANSPORT INFORMATION

DOT Shipping Name	**Not Regulated**
UN Number / Class	None / None
Transport Note	Similar products have been tested and determined not to be corrosive as defined in DOT regulations.
Bulk Transport	Not applicable (transported only in packaged form).

15. REGULATORY INFORMATION

CERCLA Section 103: Product has an RQ of 25,000 lbs based on the RQ of acetic acid of 5,000 lbs. Report spills as required under federal, state, and local regulations.
SARA 311/312 Hazard Category: Acute Health.
SARA 313: Contains no chemicals subject to SARA Title III Section 313 reporting.
EPA TSCA Inventory: All ingredients listed on EPA TSCA Inventory.
California Proposition 65: Contains no substances known to the State of California to cause cancer and/or reproductive harm.

16. OTHER INFORMATION

NFPA 704 Rating: Health: 2 | Flammability: 0 | Instability: 0
HMIS Rating: Health: 2 | Flammability: 0 | Physical Hazard: 0

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Prepared By: Blendmagic Products, LLC Technical Dept.