SAFETY DATA SHEET

WHITE DISTILLED VINEGAR (50 GRAIN TO 300 GRAIN)

Product Codes: B-V05XXX, B-V10XXX, B-V20XXX, B-V30XXX
Revision Date: Nov 25, 2026
Version: 2.0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	**White Distilled Vinegar (5% to 30%)**	**Product Codes**	B-V05XXX, B-V10XXX, B-V20XXX, B-V30XXX
Synonyms	Acetic Acid Aqueous Solution	**Type of Product**	Multi-Purpose Cleaner / Degreaser
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. Not for food use unless specified on product label.		
Emergency Numbers	**24/7 CHEMTREC (USA):** (800) 424-9300 | **International:** +1 (703) 527-3887		

2. HAZARDS IDENTIFICATION

Signal Word	**WARNING!**
GHS Classification	• Physical: Not Hazardous • Health: Eye Irritation Category 2A; Skin Irritant Category 2
Hazard Statements	H315: Causes skin irritation. H319: Causes serious eye irritation.

GHS PICTOGRAM



Precautionary Statements:

Prevention & Handling:

- P264: Wash hands thoroughly after handling.
- P280: 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 before reuse.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component Name	CAS Number	Weight %	GHS-US Classification
Acetic Acid	64-19-7	5% – 30%*	Flam. Liq. 3 (H226); Skin Corr. 1A (H314); Eye Dam. 1 (H318)
Water	7732-18-5	70% – 95%	Not classified

*Specific chemical identity and/or exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200(i).

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 upper and lower eyelids 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 person is alert, have them rinse mouth with water and sip 1 glass of water. 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.

5. FIRE-FIGHTING MEASURES

- **Extinguishing Media:** Non-flammable aqueous solution. Use any media appropriate for the surrounding fire (water spray, dry chemical, foam, carbon dioxide).
- **Specific Fire Hazards:** Not flammable or combustible. Thermal combustion may produce oxides of carbon (CO, CO_2).
- **Protective Actions:** 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 Precautions:** Avoid release into the environment. Report spills as required by local, state, and federal regulations.
- **Clean-Up Methods:** Dilute spilled liquid with water. Large spills can be neutralized cautiously with dilute solutions of soda ash or lime. Collect with an absorbent material and place into a suitable container for disposal.

7. HANDLING AND STORAGE

Safe Handling Precautions:
Avoid contact with eyes 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 (shoes/belts) that cannot be decontaminated. Keep out of reach of children and pets. **DO NOT mix with other household cleaning agents.**

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

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 occupational exposure limits.

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

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
Freezing Point	~30°F (-1.1°C)
Boiling Point	215°F (101.7°C)

Flash Point	None (Non-flammable)
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	Log Pow = -0.17 (acetic acid)

10. STABILITY AND REACTIVITY

- **Reactivity:** Not normally reactive under standard conditions.
- **Chemical Stability:** Stable under recommended storage conditions.
- **Possibility of Hazardous Reactions:** Reacts exothermically with bases, generating heat.
- **Conditions to Avoid:** Avoid freezing and excessive heat.
- **Incompatible Materials:** Strong bases, alkalis, strong oxidizing agents.
- **Hazardous Decomposition Products:** Thermal decomposition may produce oxides of carbon (CO, CO_2).

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Endpoint Values (Acetic Acid):
• **Oral Rat LD50:** 3,310 mg/kg
• **Dermal Rabbit LD50:** 1,060 mg/kg
• **Inhalation Rat LC50:** 11.4 mg/L / 4 hr
• **Carcinogenicity:** None of the components are listed as carcinogens by IARC, NTP, ACGIH, or OSHA.

Health Hazards & Target Effects:
• **Eye Contact:** Causes serious eye irritation.
• **Skin Contact:** Causes skin irritation; possible burns on prolonged contact.
• **Inhalation:** Nose, throat, and respiratory tract irritation. High vapor concentration may cause pulmonary edema.
• **Ingestion:** Causes mouth, throat, and gastrointestinal irritation.

12. ECOLOGICAL INFORMATION

Ecotoxicity (Acetic Acid): LC50: Fathead minnow (Pimephales promelas) 79 mg/L (96h); EC50: Daphnia magna 6,000 mg/L (24h).
Persistence & Degradability: Readily biodegradable.
Bioaccumulative Potential: Not bioaccumulative (Log Pow = -0.17).
Mobility in Soil: High mobility expected due to high water solubility.

13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with local, state/provincial, and national environmental regulations. Diluted material may be neutralized prior to disposal if permitted.

14. TRANSPORT INFORMATION

US DOT (Ground)	Not Regulated for transport
DOT Corrosive Note	Tested and determined not corrosive under DOT regulations.
Bulk Transport	Not applicable (Packaged form only)

15. REGULATORY INFORMATION

CERCLA Section 103: Product RQ = 25,000 lbs based on Acetic Acid RQ of 5,000 lbs. Many states have lower reporting thresholds.
SARA 311/312 & 313: Acute Health Hazard. Contains no chemicals subject to SARA Title III Section 313 annual release reporting.
EPA TSCA Inventory & CA Prop 65: All ingredients listed on TSCA Inventory. Contains no California Proposition 65 reportable substances.

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.