SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION

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|---|---|
| **Product Name:** | VINAIGRE |
| **Chemical Name:** | MIXTURE |
| **Chemical Family:** | N/A |
| **Code(s) :** | VIN4, VIN4X4C |
| **Product Use/Description:** | Vinegar in 4 L containers |
| **Supplier Identification:** | PRODUITS GILCO INC.<br>4001 Industriel Boulevard, Laval, Québec, H7L 4S3, Canada<br>Telephone: 514-858-7777<br>Fax: 514-858-5666<br>www.groupegilco.com |
| **Manufacturer Identification:** | Same as supplier |
| **Emergency Telephone:** | Canada: (613) 996-6666 24 hours (CANUTEC), *666 on cell phones |

## SECTION 2 – HAZARD IDENTIFICATION

### CLASSIFICATION OF THE CHEMICAL PRODUCT ACCORDING TO WHMIS 2022

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|---|---|
| **Physical Hazards:** | N/A |
| **Health Hazards:** | Severe eye damage/eye irritation – Eye irritation (Category 2)<br>Specific target organ toxicity (single exposure) – Gastrointestinal irritation (Category 3, oral exposure) |
| **Environmental Hazards:** | N.D. |

### LABEL ELEMENTS

**Pictogram(s):**

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| **Signal Word:** | WARNING |
| **Hazard Statement:** | Causes serious eye irritation. Harmful if swallowed in large quantities. May cause irritation of the mouth, throat, esophagus, and stomach if ingested. |
| **Precautionary Statement:** | Do not swallow. Avoid contact with eyes. Wash hands thoroughly after handling. Keep out of reach of children. 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 advice/attention. |

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| | IF SWALLOWED: Do not induce vomiting. Rinse mouth. Get medical advice/attention immediately if a large quantity is ingested. |
| **Other hazards which do not result in classification:** | This product is a mild acidic solution (5% acetic acid) and is generally safe when used as directed for its intended industrial or institutional cleaning applications. Prolonged or repeated eye contact may result in irritation. Prolonged skin contact may cause mild irritation in sensitive individuals. Vapors may have a strong, characteristic vinegar odor which can cause temporary discomfort. Not expected to pose significant environmental hazards under normal use conditions. Product is biodegradable and does not present a bioaccumulation risk. |

## SECTION 3 – COMPOSITION / INFORMATION SUR LES INGRÉDIENTS

| INGREDIENT | CAS Nº | % (WEIGHT) | $LD_{50}$ (species, route) | $LC_{50}$ (species) |
|---|---|---|---|---|
| Acetic acid | 64-19-7 | 5 - 10 | 3310 mg/kg (rat, oral)<br>1060 µl/kg (rabbit, dermal) | 2810 ppm / 4 h (rat) |

The concentration percentages for the chemicals listed above may vary from batch to batch.
The concentrations indicated represent the actual concentration range for each chemical.

## SECTION 4 – FIRST-AID MEASURES

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| **Inhalation:** | Remove sources of contamination or move the victim to fresh air. If the victim is not breathing, administer artificial respiration. Seek medical attention immediately. |
| **Skin Contact:** | Gently rinse the affected area with running water for at least 20 minutes while removing contaminated clothing. Seek medical attention. Wash contaminated clothing before reuse. |
| **Eye Contact:** | Immediately rinse affected eyes gently with water for at least 20 minutes. Seek medical attention. |
| **Ingestion:** | NEVER give anything by mouth if the victim is rapidly losing consciousness, unconscious, or convulsing. Rinse the mouth thoroughly with water. DO NOT induce vomiting. Ask the victim to swallow two glasses of water. If vomiting occurs naturally, lean the victim forward to reduce the risk of aspiration. Continue to give water to drink. Seek medical attention immediately. |
| **Most important symptoms and effects (acute or delayed):** | See Section 11 “Toxicological Information” for more details. |
| **For the Doctor:** | N.D. |

## SECTION 5 – FIRE-FIGHTING MEASURES

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| **Suitable Extinguishing Media:** | Carbon dioxide, powdered chemical agent, and foam suitable for surrounding products. |
| **Unsuitable Extinguishing Media:** | N.D. |
| **Specific hazards arising from the hazardous product:** | Carbon oxides and other irritating gases and fumes.<br>Does not ignite under normal conditions of use. |
| **Special protective equipment and precautions for fire-fighters:** | Smoke or toxic/irritating fumes may be produced during a fire. Do not enter the fire area without adequate protection. Firefighters battling a fire should wear self-contained breathing apparatus with a full face mask to protect themselves from toxic products released during combustion. Protect personnel from containers that may burst, explode, or leak their contents. Move containers away from the fire if there is no danger. Water may be useful to cool containers exposed to heat and flames. |

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

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| **Personal precautions, protective equipment and emergency procedures:** | Restrict access until cleanup is complete. Ensure that cleanup is performed by qualified personnel. All persons involved in cleanup must wear appropriate protective equipment (see Section 8). |
| **Methods and materials for containment and cleaning up:** | Ventilate the spill area. Stop the flow if it can be done safely. Contain and absorb with an inert absorbent material. Then place the absorbent material in a container for later disposal (see Section 13). Contaminated absorbent material may present the same hazards as the spilled product. Notify the appropriate authorities if necessary. |
| **Environmental Precautions:** | Avoid infiltration into sewers, waterways, or confined spaces. Dispose of in accordance with local, state, and national regulations. |

## SECTION 7 – HANDLING AND STORAGE

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| **Precautions for Safe Handling:** | Before handling this product, it is very important to ensure that engineering controls are properly maintained and that personal protection and hygiene requirements are met. Workers who use this chemical must be trained in the risks associated with its use. Inspect containers for leaks before handling. Label containers appropriately. Ensure that the area is well ventilated. Avoid breathing vapors or mists. Avoid contact with eyes, skin, and clothing. Avoid the production of high concentrations of vapors or mists. Keep away from incompatible materials such as strong oxidizing materials. Keep containers tightly closed when not in use. Assume that empty containers may contain hazardous residues. |
| **Conditions for safe storage, including any incompatibilities:** | Store in a cool, well-ventilated area, away from heat and sources of ignition. Store away from incompatible materials. Inspect all containers upon receipt to ensure they are properly labeled and undamaged. The storage area must |

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| | be clearly identified, free of obstacles, and accessible only to qualified personnel. Periodically inspect for leaks. |

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

| EXPOSURE LIMITS | ACGIH TLV | | OSHA PEL | |
|---|---|---|---|---|
| CHEMICAL NAME | TWA | STEL | TWA | STEL |
| Nonylphenol ethoxylate | N.D. | N.D. | N.D. | N.D. |
| Sodium lauryl ether sulfate | N.D. | N.D. | N.D. | N.D. |

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| **Appropriate Engineering Controls:** | Use the product in a well-ventilated area. Local exhaust ventilation is recommended to keep contaminant concentrations well below exposure limits. |

**INDIVIDUAL PROTECTION MEASURES**

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| **Skin Contact:** | Wear chemical-resistant gloves (impermeable) or other protective clothing to prevent repeated or prolonged contact with the skin during all handling operations. |
| **Eye Contact:** | Wear splash-proof goggles to prevent mist from coming into contact with the eyes. Ensure that eye wash stations, safety showers, and cleaning areas are located near the workstation. |
| **Respiratory Protection:** | Respiratory protection required if concentrations exceed exposure limits. Use NIOSH-approved respiratory protection if exposure limits are unknown. |
| **Hygiene Measures:** | Avoid producing high concentrations of mists or vapors. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Never eat, drink, or smoke near workstations. Good hygiene is recommended after using this product. Wash clothing before reuse. |
| **Other Protective Equipment:** | N.D. |

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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| **Physical State:** | Liquid |
| **Colour:** | Green |
| **Odour:** | Green Apple |
| **Melting Point / Freezing Point (°C):** | N.D. |

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| **Boiling Point (°C):** | N.D. |
| **Flammability:** | N/A |
| **Lower flammability or explosion limit (% per volume):** | N/A |
| **Upper flammability or explosion limit (% per volume):** | N/A |
| **Flash Point (°C):** | N/A |
| **Auto-ignition Temperature (°C):** | N.D. |
| **Decomposition Temperature:** | N.D. |
| **pH:** | 8 |
| **Kinematic Viscosity:** | N.D. |
| **Solubility:** | Instant |
| **Partition Coefficient (n-octanol/water):** | N.D. |
| **Vapour Pressure:** | N.D. |
| **Relative Vapour Density (Water = 1):** | 1.02 |
| **Vapour Density (Air = 1):** | N.D. |
| **Particle Characteristics:** | N.D. |

## SECTION 10 – STABILITY AND REACTIVITY

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| **Chemical Stability and Reactivity:** | Stable under recommended and prescribed handling and storage conditions. |
| **Possibility of Hazardous Reactions:** | No hazardous polymerization will occur. |
| **Conditions to Avoid:** | None known. |
| **Incompatible Materials:** | STRONG OXIDIZING AGENTS (chlorides, peroxides). |
| **Hazardous Decomposition Products:** | None known. See “Hazardous Combustion Products” in Section 5. |

## SECTION 11 – TOXICOLOGICAL INFORMATION

**INFORMATION ON LIKELY ROUTES OF EXPOSURE**

Skin contact, absorption through the skin, eye contact, ingestion, and inhalation.

## SHORT-TERM EFFECTS OF EXPOSURE AND SYMPTOMS

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|---|---|
| **Inhalation:** | N/A |
| **Skin Contact:** | Under normal conditions of use, this product does not pose any problems. |
| **Eye Contact:** | Direct contact with the eyes may cause moderate irritation. Symptoms: redness, burning sensation, tearing, and pain. |
| **Ingestion:** | Ingestion may cause irritation to the mouth, throat, and stomach. Symptoms include dizziness, drowsiness, nausea, headaches, and other effects on the central nervous system. |

## LONG-TERM EFFECTS OF EXPOSURE

Repeated or prolonged contact may cause dryness, cracking, and skin stripping (dermatitis).

## DELAYED AND IMMEDIATE EFFECTS

| | |
|---|---|
| **Skin Corrosion / Irritation:** | N.D. |
| **Serious Eye Damage / Eye Irritation:** | N.D. |
| **Respiratory Sensitization:** | N.D. |
| **Skin Sensitization:** | N.D. |
| **Germ Cell Mutagenicity:** | N.D. |
| **Carcinogenicity:** | No ingredients are listed by IARC, ACGIH, NTP, or OSHA as carcinogenic. |
| **Reproductive Toxicity:** | N.D. |
| **Specific Target Organ Toxicity – Single Exposure:** | None known. |
| **Specific Target Organ Toxicity – Repeated Exposure:** | N.D. |
| **Aspiration Hazard:** | N.D. |

## NUMERICAL TOXICITY VALUES

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|---|---|
| **Acute oral toxicity:** | N.D. |
| **Acute dermal toxicity:** | N.D. |
| **Acute inhalation toxicity:** | N.D. |

## SECTION 12 – ECOLOGICAL INFORMATION

There is no data available on the product itself. Prevent the product from entering drains or waterways or from being deposited in areas where it could affect groundwater or surface water.

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| **Ecotoxicity:** | N.D. |
| **Persistence and Degradability:** | N.D. |
| **Bioaccumulation Potential:** | N.D. |
| **Mobility in Soil:** | N.D. |
| **Other Adverse Effects:** | N.D. |

## SECTION 13 – DISPOSAL CONSIDERATIONS

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|---|---|
| **Disposal Methods:** | Store materials for disposal as indicated in the Handling and Storage section (section 7). Do not puncture or incinerate empty containers. Review federal, provincial, and local requirements prior to disposal. |
| **Hazardous Waste Code:** | N.D. |
| **Contaminated Packaging:** | N.D. |

## SECTION 14 – TRANSPORT INFORMATION

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|---|---|
| **Shipping Description:** | This product is regulated under the TDG. |
| **UN Number:** | N/A |
| **UN Proper Shipping Name:** | N/A |
| **Transport Hazard Class(es):** | N/A |
| **Packing Group:** | N/A |
| **Environmental hazards:** | N/A |
| **Special Precautions:** | N/A |

## SECTION 15 – REGULATORY INFORMATION

The product is regulated under the Controlled Products Regulations (CPR) in Canada. Refer to Section 2 for WHMIS classification.
**This product has been classified according to the hazard criteria listed in the Controlled Products Regulations (CPR) and this material safety data sheet contains all the information required by the CPR.**

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| **Canadian Environmental Protection Act. (CEPA) Information:** | The ingredients are listed on the DSL. |
| **U.S. OSHA Information:** | This product is regulated under OSHA. This sheet contains all information required by OSHA. |
| **U.S. TSCA Information:** | The ingredients are listed on the TSCA. |
| **California Proposition 65 (USA):** | No ingredients listed. This product may contain traces of chemicals that are recognized by California as causing cancer and/or adverse reproductive effects. |
| **New Jersey Right To Know (USA):** | The ingredients are listed below. |

| HAZARDOUS INGREDIENTS | CAS Nº | % (WEIGHT) |
|---|---|---|
| None | None | None |

This product may contain traces of other chemicals.

| | | |
|---|---|---|
| **National Fire Protection Association (NFPA):** | Health: 1<br>Flammability: 0 | Instability: 0<br>Other hazards: None |
| **Risk Indicators:** | 0 = Minimal<br>1 = Slight | 2 = Moderate<br>3 = Serious<br>4 = Severe |

## SECTION 16 – OTHER INFORMATION

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|---|---|
| **Prepared By:** | PRODUITS GILCO INC.<br>4001 Industriel Boulevard, Laval, Québec, H7L 4S3, Canada<br>www.groupegilco.com |
| **Telephone:** | Telephone: 514-858-7777<br>Fax : 514-858-5666 |
| **Date of preparation/revision of the file:** | December 22, 2025 |

| ABREVIATIONS | |
|---|---|
| **ACGIH** | American Conference of Governmental Industrial Hygienists |
| **AIHA** | American Industrial Hygiene Association |
| **CAS** | Chemical Abstract Service |

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| **CEPA** | Canadian Environmental Protection Act |
| **CPR** | Controlled Products Regulations |
| **DSL** | Domestic Substances List |
| **IARC** | International Agency for Research on Cancer |
| **LC** | Lethal Concentration |
| **LD** | Lethal Dose |
| **N/A** | Not Applicable. The information does not apply to this product. |
| **N.D.** | Non available / Not determined. The information is not found, measured, or known. |
| **NFPA** | National Fire Protection Association |
| **NIOSH** | National Institute for Occupational Safety and Health |
| **NTP** | National Toxicology Program (U.S.A.) |
| **OSHA** | Occupational Safety and Health Administration (U.S.A.) |
| **PEL** | Permissible Exposure Limit |
| **STEL** | Short-term Exposure Limit |
| **TDG** | Transportation of Dangerous Goods (Canada) |
| **TLV** | Threshold Limit Value |
| **TSCA** | Toxic Substances Control Act |
| **TWA** | Time Weighted Average |
| **USEPA** | United States Environmental Protection Agency |
| **WEEL** | Workplace Environmental Exposure Level |
| **WHMIS** | Workplace Hazardous Materials Information System |