# SAFETY DATA SHEET

## SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

**Product ID:** 495255

**Product Name:** ZenaClear

**Revision Date:** Apr 01, 2026
**Date Printed:** Apr 01, 2026
**Version:** 4.0
**Supersedes Date:** Dec 16, 2022

**Manufacturer's Name:** Zenex International

**Address:** 1 Zenex Circle Cleveland, OH, US, 44146

**Emergency Phone:** 1-800-535-5053

**Information Phone Number:** (440)-232-4155

**Fax:**

**Product/Recommended Uses:** Glass cleaner

## SECTION 2) HAZARDS IDENTIFICATION

### Classification

Aerosols - Category 3

Eye Irritation - Category 2A

### Pictograms

### Signal Word

Warning

### Hazardous Statements - Physical

H229 - Pressurized container; may burst if heated.

### Hazardous Statements - Health

H319 - Causes serious eye irritation.

### Precautionary Statements - General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

P103 - Read carefully and follow all instructions.

### Precautionary Statements - Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 - Do not pierce or burn, even after use.

P264 - Wash hands thoroughly after handling.

P280 - Wear eye protection and face protection.

### Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical attention.

### Precautionary Statements - Storage

P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).

### Precautionary Statements - Disposal

No precautionary statement available.

## SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

| CAS | Chemical Name | % By Weight |
|---|---|---|
| 68476-86-8 | Petroleum gases, liquefied, sweetened | 1% - 10% |
| 64-17-5 | Ethyl alcohol | 1% - 5% |
| 111-76-2 | Ethylene glycol monobutyl ether | 1% - 5% |
| 1336-21-6 | Ammonium hydroxide | 0% - 1% |
| 68585-34-2 | Sodium Lauryl Ether Sulfate | 0% - 1% |

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

## SECTION 4) FIRST-AID MEASURES

### Inhalation

Remove source of exposure or move person to fresh air and keep comfortable for breathing. If breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by the POISON CENTER/doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation (AED). If you feel unwell/If concerned: Get medical advice/attention.

### Eye Contact

Rinse eyes cautiously with lukewarm, gently flowing water for 15 minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

### Skin Contact

Wipe off with a towel. Wash with soap and water. Get medical attention if irritation persists.

### Ingestion

Ingestion is not a likely route of exposure. Get medical attention if you feel unwell.

### Most Important Symptoms/Effects, Acute and Delayed

No data available.

### Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

## SECTION 5) FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Foam, alcohol foam, carbon dioxide, dry chemical, water fog.

### Unsuitable Extinguishing Media

Water may be ineffective but can be used to cool containers exposed to heat or flame.

### Specific Hazards in Case of Fire

Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Liquid content of container will support combustion. Overexposure to decomposition products may cause a health hazard. Symptoms may not be readily apparent. Obtain medical attention. Hazardous decomposition products include carbon dioxide, carbon monoxide, and other toxic fumes.

### Fire-fighting Procedures

Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat.

### Special Protective Actions

Wear goggles and use a self-contained breathing apparatus. If water is used, fog nozzles are preferred.

## SECTION 6) ACCIDENTAL RELEASE MEASURES

### Emergency Procedure

Avoid breathing vapors. Ventilate area. Remove all sources of ignition.

### Recommended Equipment

Wear safety glasses with side shields. Use of gloves approved from relevant standards that meet or are equivalent to OSHA 29 CFR 1910.132.

### Personal Precautions

Avoid breathing vapors. Ventilate area.

### Environmental Precautions

Stop spill/release if it can be done safely.

### Methods and Materials for Containment and Cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

## SECTION 7) HANDLING AND STORAGE

### General

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Conditions forsafe storage, including any incompatibilities

### Ventilation Requirements

Use in a well-ventilated place.

### Storage Room Requirements

Store and use in a cool, dry, well-ventilated area. Do not store above 120°F. See product label for additional information.

## SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

### Eye protection

Wear safety glasses with side shields. Eyewash stations and showers should be available in areas where this material is used and stored.

### Skin Protection

Use solvent-resistant protective gloves for prolonged or repeated contact.

### Respiratory protection

Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use an approved air line respirator or hood. A self-contained breathing apparatus is required for vapor concentrations above PEL/TLV limits.

### Appropriate Engineering Controls

Ventilation should be sufficient to prevent inhalation of any vapors.

| Chemical Name | OSHA TWA (mg/m3) | OSHA TWA (ppm) | OSHA STEL (mg/m3) | OSHA Carcinogen | OSHA Skin designation | OSHA Tables (Z1, Z2, Z3) | ACGIH TWA (mg/m3) | ACGIH TWA (ppm) |
|---|---|---|---|---|---|---|---|---|
| Ethyl alcohol | 1900 | 1000 | | | | 1 | | |
| Ethylene glycol monobutyl ether | 240 | 50 | | | 1 | 1 | | 20 |
| Ammonium hydroxide | 35 | 50 | | | 1 | 1 | | 25 |
| Petroleum gases, liquefied, sweetened | 2000 | 500 | | | | 1 | | |

| Chemical Name | NIOSH STEL (ppm) | ACGIH STEL (mg/m3) | ACGIH STEL (ppm) | ACGIH Carcinogen | ACGIH TLV Basis | ACGIH Notations | NIOSH TWA (mg/m3) | NIOSH TWA (ppm) |
|---|---|---|---|---|---|---|---|---|
| Ethyl alcohol | | | 1000 | A3 | URT irr | A3 | 1900 | 1000 |
| Ethylene glycol monobutyl ether | | | | A3 | Eye & URT irr | A3; BEI | 24 | 5 |
| Ammonium hydroxide | 30 | | | A4 | Eye dam; URT irr | Skin; A4 | 70 | 20 |
| Petroleum gases, liquefied, sweetened | | | | | | | | |

| Chemical Name | NIOSH STEL (mg/m3) | OSHA STEL (ppm) | NIOSH Carcinogen |
|---|---|---|---|
| Ethyl alcohol | | | |
| Ethylene glycol monobutyl ether | | | |
| Ammonium hydroxide | 105 | | |
| Petroleum gases, liquefied, sweetened | | | |

A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans, A4 - Not Classifiable as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, dam - Damage, irr - Irritation, URT - Upper respiratory tract

## SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

| | |
|---|---|
| Density | 8 lb/gal |
| Density VOC | 0.8 lb/gal |
| % VOC | 10% |

| | |
|---|---|
| Appearance | Clear liquid |
| Odor Threshold | N.A. |
| Odor Description | Mild pungent |
| pH | 9-10 |
| Water Solubility | Soluble |
| Flammability | Non Flammable |
| Vapor Pressure | N.A. |
| Flash Point | >212°F |
| Viscosity | N.A. |
| Lower Explosion Level | N.A. |
| Upper Explosion Level | N.A. |
| Melting Point | N.A. |
| Vapor Density | N.A. |
| Freezing Point | N.A. |
| Low Boiling Point | N.A. |
| High Boiling Point | N.A. |
| Decomposition Pt | N.A. |
| Auto Ignition Temp | N.A. |
| Evaporation Rate | Slower than ether |

## SECTION 10) STABILITY AND REACTIVITY

### Stability

The product is stable under normal storage conditions.

### Conditions To Avoid

High temperatures. Keep from freezing.

### Incompatible Materials

Incompatible with strong oxidizing agents, strong acids and strong alkalies.

### Hazardous Reactions/Polymerization

None known.

### Hazardous Decomposition Products

When heated to decomposition, it emits acrid smoke and irritating fumes.

## SECTION 11) TOXICOLOGICAL INFORMATION

### Skin Corrosion/Irritation

Based on available data, the classification criteria are not met.

### Serious Eye Damage/Irritation

Causes eye irritation.

### Carcinogenicity

Based on available data, the classification criteria are not met.

### Germ CellMutagenicity

Based on available data, the classification criteria are not met.

### Reproductive Toxicity

Based on available data, the classification criteria are not met.

### Respiratory/Skin Sensitization

Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity - Single Exposure

Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity - Repeated Exposure

Based on available data, the classification criteria are not met.

### Aspiration Hazard

Based on available data, the classification criteria are not met.

### Acute Toxicity

Based on available data, the classification criteria are not met.

### Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

## SECTION 12) ECOLOGICAL INFORMATION

### Toxicity

Based on available data, the classification criteria are not met.

### Persistence and Degradability

64-17-5 Ethyl alcohol

Readily biodegradable. Half-life in air = 38 h

111-76-2 Ethylene glycol monobutyl ether

Readily biodegradable

### Bioaccumulative Potential

Substance has a low potential for bioaccumulation (log Kow3),

### Mobility in Soil

No data available.

### Other Adverse Effects

No data available.

### Results of the PBT and vPvB assessment

The substance is not PBT / vPvB.

## SECTION 13) DISPOSAL CONSIDERATIONS

### Waste Disposal

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## SECTION 14) TRANSPORT INFORMATION

| | U.S. DOT Information | IMDG Information | IATA Information |
|---|---|---|---|
| **UN number:** | UN1950 | UN1950 | UN1950 |
| **Proper shipping name:** | Aerosols | Aerosols | Aerosols, non-flammable, |
| **Hazard class:** | 2.2 | 2.2 | 2.2 |
| **Packaging group:** | NA | NA | NA |
| **Hazardous substance (RQ):** | No Data Available | | |
| **Marine Pollutant:** | No Data Available | No Data Available | |
| **Note / Special Provision:** | (LTD QTY) | (LTD QTY) | (LTD QTY) |
| **Toxic-Inhalation Hazard:** | No Data Available | | |

## SECTION 15) REGULATORY INFORMATION

| CAS | Chemical Name | % By Weight | Regulation List |
|---|---|---|---|
| 68476-86-8 | Petroleum gases, liquefied, sweetened | 1% - 10% | SARA312, TSCA, OSHA |
| 64-17-5 | Ethyl alcohol | 1% - 5% | SARA312, VOC,TSCA, ACGIH, OSHA |
| 11-76-2 | Ethylene glycol monobutyl ether | 1% - 5% | SARA313, CERCLA, SARA312, VOC, TSCA, ACGIH, OSHA |
| 1336-21-6 | Ammonium hydroxide | 0% - 1% | SARA312, TSCA, ACGIH, OSHA |
| 68585-34-2 | Sodium Lauryl Ether Sulfate | 0% - 1% | SARA312, TSCA |

## SECTION 16) OTHER INFORMATION

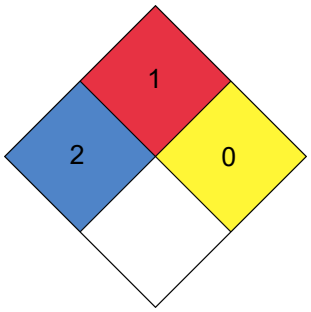
### Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

**HMIS**

| | |
|---|---|
| Health | / 2 |
| FLAMMABILITY | 1 |
| Physical Hazard | 0 |
| Personal Protection | A |

**NFPA**

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