



VAPCO PRODUCTS, INC.

Safety Data Sheet Glass Cleaner Aerosol

SECTION 1: Identification

GHS Product identifier

Product name Glass Cleaner Aerosol

Product number GCA-1

Recommended use of the chemical and restrictions on use

Glass cleaner

Supplier's details

Name Vapco Products, Inc.
Address 401 Marshall Road
Valley Park, Missouri 63088
United States

Telephone (636) 923-2121
Fax (636) 923-3002
email info@VapcoProducts.com

Emergency phone number

(800) 255-3924

SECTION 2: Hazard identification

Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Gases under pressure, compressed gas

GHS label elements, including precautionary statements

Pictogram



Safety Data Sheet

Signal word

Warning

Hazard statement(s)

H280

Contains gas under pressure; may explode if heated

Precautionary statement(s)

P410+P403

Protect from sunlight. Store in a well-ventilated place.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Butoxyethanol

Concentration	1 - 5 % (weight)
EC no.	203-905-0
CAS no.	111-76-2
Index no.	603-014-00-0

2. Ethanol

Concentration	1 - 5 % (weight)
EC no.	200-578-6
CAS no.	64-17-5
Index no.	603-002-00-5

3. Petroleum gases, liquefied, sweetened, if they contain > 0.1% w/w Butadiene

Concentration	1 - 5 % (weight)
EC no.	270-705-8
CAS no.	68476-86-8
Index no.	649-203-00-1

SECTION 4: First-aid measures

Description of necessary first-aid measures

General advice

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

If inhaled

First, take proper precautions to ensure your own safety before attempting rescue (e.g. wear appropriate respiratory protective equipment, use the buddy system), then remove the exposed person to fresh air. Keep at rest in a position comfortable for breathing. Get medical advice/attention.

In case of skin contact

Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing immediately. Obtain medical attention if irritation develops or persists.

In case of eye contact

Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Safety Data Sheet

If swallowed

Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

Most important symptoms/effects, acute and delayed

No data available.

Indication of immediate medical attention and special treatment needed, if necessary

No data available.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Dry chemical, foam, or carbon dioxide (CO₂).

Specific hazards arising from the chemical

Explosion Hazard: Container may explode in heat of fire. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

Incompatibilities: No data available.

Special protective actions for fire-fighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use dry chemical, foam, or carbon dioxide (CO₂). Do not breathe fumes from fire or vapors from decomposition. Do NOT fight fire when fire reaches containers. Evacuate area. Fight fire remotely due to the risk of explosion. Shut off all sources of ignition. Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Wear NIOSH-approved Self-Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires.

Hazardous Combustion Products: Carbon oxide(s).

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe vapors, spray, mist, gas. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Stop leak if safe to do so.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedure: Eliminate ignition source first, then ventilate the area. Evacuate unnecessary personnel, isolate, and ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

Methods and materials for containment and cleaning up

For Containment: Ventilate area. Contain any spills with dikes or absorbents to prevent further migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Eliminate all ignition sources. Ventilate area. Stop the ignition source of the release, if safe to do so. Consider the use of water spray to disperse vapors. Isolate the area until gas has dispersed. Ventilate and gas test area before entering. Take up liquid spill into absorbent material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Waste Disposal: Dispose of in accordance with local, regional, national, and international regulations. Containers may be hazardous when empty. Do not flame cut, braze, or weld.

Safety Data Sheet

Reference to other sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling and storage

Precautions for safe handling

Additional Hazards When Processed: Do not pressurize, cut, or weld containers. Ruptured cylinders may rocket. Pressurized container: May burst if heated. Do not pierce or burn, even after use.

Precautions for Safe Handling: Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Do not breathe gas, mist, spray, vapors. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not spray on open flame or other ignition source.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Other Precautions: Keep out of reach of children. Follow label instructions. Vapors may collect in low lying area.

Conditions for safe storage, including any incompatibilities

Technical Measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Store in a dry, cool place. Keep only in the original container in a cool, well-ventilated place away from ignition sources. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: None known.

Storage Temperature: <50°C/122°F.

Specific end use(s)

Glass cleaner

SECTION 8: Exposure controls/personal protection

Control parameters

CAS: 111-76-2 (EC: 203-905-0)

Butoxyethanol

20 ppm, 97 mg/m³ PEL inhalation; ACGIH (USA): 20 ppm TLV® inhalation; 20 ppm TWA inhalation; Cal/OSHA: 20 ppm PEL inhalation; NIOSH: 5 ppm REL inhalation; 5 ppm, 24 mg/m³ TWA inhalation; OSHA: 50 ppm PEL inhalation; 240 mg/m³ PEL inhalation; 50 ppm, 240 mg/m³ TWA inhalation

CAS: 64-17-5

Ethanol

ACGIH (USA): (ST) 1000 ppm TLV® inhalation; Cal/OSHA: 1000 ppm PEL inhalation; NIOSH: 1000 ppm REL inhalation; OSHA: 1000 ppm PEL inhalation; 1900 mg/m³ PEL inhalation

Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Proper grounding procedures to avoid static electricity should be followed. Use only outdoors or in well-ventilated area. Ensure all local, regional, national, and international regulations are observed. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Individual protection measures, such as personal protective equipment (PPE)

Pictograms

Safety Data Sheet



Eye/face protection

Chemical safety goggles. Insufficient ventilation: wear respiratory protection. Respiratory protection of the dependent type.

Skin protection

Wear protective gloves and clothing.

Body protection

Wear suitable protective clothing. Wear protective gloves. Chemical resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Respiratory protection

Use a NIOSH-approved Self-Containing Breathing Apparatus whenever exposure may exceed established Occupational Exposure Limits.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Physical state	Liquid
Appearance	Aerosol
Color	Colorless
Odor	Citrus
Odor threshold	N/D
Melting point/freezing point	N/D
Boiling point or initial boiling point and boiling range	N/D
Flammability	Not considered a flammable or an extremely flammable aerosol by OSHA (29 CFR 1910.1200)
Lower and upper explosion limit/flammability limit	N/D
Flash point	N/D
Auto-ignition temperature	N/D
Decomposition temperature	N/D
pH	8.5-10.0
Kinematic viscosity	N/D
Solubility	Completely soluble in water
Partition coefficient n-octanol/water (log value)	N/D
Vapor pressure	N/D
Evaporation rate	N/D
Density and/or relative density	N/D
Relative vapor density	N/D

Particle characteristics

N/A

SECTION 10: Stability and reactivity

Reactivity

None known.

Chemical stability

Safety Data Sheet

Material is stable under normal conditions of use.

Possibility of hazardous reactions

None known.

Conditions to avoid

Excessive heat.

Incompatible materials

None known.

Hazardous decomposition products

Carbon oxides(s).

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

The ATE (gas inhalation) of the mixture is: 90000 ppmV

2-Butoxyethanol

LD50 Oral - Rat - 880 mg/kg

LD50 Skin - Rabbit - 1,060 mg/kg

LD50 Intraperitoneal - Rat - 220 mg/kg

LD50 Intravenous - Rat - 307 mg/kg

LD50 Oral - Rat - 470 mg/kg

LC50 Inhalation - Rat - 450 ppm

LC50 - *Oncorhynchus mykiss* (rainbow trout) - 1,474 mg/l - 96 h

EC50 - *Daphnia magna* (water flea) - 1,550 mg/l - 48 h

EC50 - *Pseudokirchneriella subcapitata* (green algae) - 1,840 mg/l - 72 h

LC50 - *Daphnia magna* (water flea) - 1,550 mg/l - 48 h

LC50 - *Pseudokirchneriella subcapitata* (green algae) - 911 mg/l - 72 h

Ethanol

LD50 Oral - Rat - 10,470 mg/kg

LD50 Skin - Rabbit - 15,800 mg/kg

LD50 Inhalation - Rat - 30,000 mg/l - 4 h

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

None known.

Carcinogenicity

None known.

Safety Data Sheet

Reproductive toxicity

None known.

STOT-single exposure

No data available.

STOT-repeated exposure

No data available.

Aspiration hazard

The ATE (gas inhalation) of the mixture is: 90000 ppmV

SECTION 12: Ecological information

Toxicity

2-Butoxyethanol

LD50 Oral - Rat - 880 mg/kg

LD50 Skin - Rabbit - 1,060 mg/kg

LD50 Intraperitoneal - Rat - 220 mg/kg

LD50 Intravenous - Rat - 307 mg/kg

LD50 Oral - Rat - 470 mg/kg

LC50 Inhalation - Rat - 450 ppm

LC50 - *Oncorhynchus mykiss* (rainbow trout) - 1,474 mg/l - 96 h

EC50 - *Daphnia magna* (water flea) - 1,550 mg/l - 48 h

EC50 - *Pseudokirchneriella subcapitata* (green algae) - 1,840 mg/l - 72 h

LC50 - *Daphnia magna* (water flea) - 1,550 mg/l - 48 h

LC50 - *Pseudokirchneriella subcapitata* (green algae) - 911 mg/l - 72 h

Ethanol

LD50 Oral - Rat - 10,470 mg/kg

LD50 Skin - Rabbit - 15,800 mg/kg

LD50 Inhalation - Rat - 30,000 mg/l - 4 h

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

Product is mobile in soil.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Dispose of contents/container in accordance with local, regional, national, and international regulations. Do not pierce or burn, even after use.

Other disposal recommendations

Container may remain hazardous when empty. Continue to observe all precautions. Do not puncture or incinerate container.

Safety Data Sheet

SECTION 14: Transport information

DOT (US)

UN Number: UN1950

Class: 2.2

Packing Group: II

Proper Shipping Name: Aerosols, non-flammable, (each not exceeding 1 L capacity)

IMDG

UN Number: UN1950

Class: 2.2

Packing Group: II

EMS Number: N/A

Proper Shipping Name: Aerosols, non-flammable, (each not exceeding 1 L capacity)

IATA

UN Number: UN1950

Class: 2.2

Packing Group: II

Proper Shipping Name: Aerosols, non-flammable, (each not exceeding 1 L capacity)

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

CAS-No. 64-17-5: Ethanol

Canadian Domestic Substances List (DSL)

Chemical name: Ethanol

CAS: 64-17-5

Chemical name: Ethanol, 2-butoxy-

CAS: 111-76-2

Massachusetts Right To Know Components

Chemical name: Ethanol

CAS number: 64-17-5

Ethylene glycol monobutyl ether

CAS: 111-76-2

New Jersey Right To Know Components

Common name: ETHYL ALCOHOL

CAS number: 64-17-5

Ethylene glycol monobutyl ether

CAS: 111-76-2

Pennsylvania Right To Know Components

Chemical name: Ethanol

CAS number: 64-17-5

Safety Data Sheet

Ethylene glycol monobutyl ether
CAS: 111-76-2

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Ethylene glycol monobutyl ether
CAS: 111-76-2

Toxic Substances Control Act (TSCA) Inventory

All chemicals are listed or exempt.

SECTION 16: Other information

N/A = Not applicable; N/D = Not determined

Further information/disclaimer

To the best of our knowledge, information contained herein is accurate. However there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions of handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.

Preparation information

Prepared by: Jessica Wilson

Date prepared: 10/19/2022

