

**PRODUCT NAME:** ABRO Glass Cleaner (Pump Spray)  
**PRODUCT NUMBER/SIZE:** GC-300 / 22 oz.

**Rev Date:** 05/01/2015

## SECTION 1 Identification of the Substance and of the Company/Undertaking

**MANUFACTURER'S NAME:** ABRO INDUSTRIES, INC.

**ADDRESS:** 3580 Blackthorn Court  
South Bend, IN 46628  
USA

**PRODUCT DESCRIPTION:** Glass Cleaner

**COMPANY PHONE:** 574-232-8289

**EMERGENCY 24-HR TELEPHONE:** Chemtrec: US/Canada 1-800-424-9300  
International +1-703-527-3887

## SECTION 2 Hazards Identification

### Classification:

Aspiration Toxicity (Category 1) H304  
Skin Corrosion/Irritation (Category 2) H315  
Serious eye damage/irritation (Category 2A) H319  
Specific Target Organ Toxicity (SE) (Category 3) H335, H336

### Label Pictogram(s):

None

**Signal Word:** None

**Hazard Phrases:** No GHS Hazard statements.

**Precautionary Phrases:** No GHS Precautionary statements.

**Response:** No GHS Response statements.

**Storage / Disposal:** No GHS Storage and Disposal statements.

**Other:** Avoid contact with skin, eyes and clothing. May cause mild eye irritation. Prolonged or repeated contact may dry skin and cause irritation. Inhalation: No adverse effects expected when used as directed. Skin Contact: Prolonged or repeated contact may dry skin and cause irritation. Eye Contact: Mild eye irritation. Ingestion: May cause irritation to mouth, throat and stomach. May cause abdominal discomfort. Medical conditions generally aggravated by exposure: Persons with pre-existing skin disorders may be more susceptible to irritating effects. OSHA Regulatory Status: This material is classified as not hazardous under OSHA regulations.

### SECTION 3 Composition/Information on Ingredients

<b>COMPONENTS</b>	<b>CAS Number</b>	<b>Percent by weight</b>
Water	7732-18-5	<99.0 %
Proprietary Surfactants	N/A	< 1.0 %
Ammonium hydroxide	1336-21-6	0.1-0.2 %
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo .omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	~ 0.05 %
Proprietary Fragrance	N/A	~ 0.01 %
Ethoxylated linear alcohol	68131-39-5	<=0.004 %
Organically-bound copper compounds	N/A	0.003 %

### SECTION 4 First Aid Measures

#### Emergency and First Aid Procedures

##### In Case of Inhalation

No special requirements. Remove to fresh air. Get medical attention if irritation develops and persists.

##### In Case of Skin Contact

Rinse with plenty of water. Get medical attention if irritation develops and persists.

##### In Case of Eye Contact

Rinse with plenty of water. Get medical attention if irritation develops and persists.

##### In Case of Ingestion

Rinse mouth with water. Get medical attention if irritation develops and persists.

##### Note to Physician

None.

##### Signs and Symptoms of Exposure

No data available.

### SECTION 5 Fire Fighting Measures

**Flammability Classification:** Nonflammable Liquid

**Flash Pt:** NP

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** NP

##### Fire Fighting Instructions

No data available.

##### Flammable Properties and Hazards

No data available.

##### Suitable Extinguishing Media

This product is nonflammable and contains no volatile solvents.

**Unsuitable Extinguishing Media**

No data available.

**SECTION 6  
Accidental Release Measures**

**Steps To Be Taken In Case Material Is Released or Spilled**

Soak up with inert absorbent material. Sweep up and place into suitable containers for disposal.

**Protective Precautions, Protective Equipment and Emergency Procedures**

No special protective equipment is necessary. If splashing to the eyes is a possibility, safety glasses are recommended. Chemical-resistant gloves are recommended for individuals with pre-existing skin disorders that may become irritated.

**Environmental Precautions**

Outside of normal use, avoid release to the environment.

**SECTION 7  
Handling and Storage**

**Precautions to Be Taken in Handling**

Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS.

**Precautions to Be Taken in Storing**

Keep container closed when not in use. Keep in a dry, cool and well-ventilated place.

**Other Precautions**

None

**SECTION 8  
Exposure Controls/Personal Protection**

Components	CAS #	OSHA PEL	ACGIH TLV	Other Limits
Water	7732-18-5	No Data	No Data	No data.
Proprietary Surfactants	NA	No data.	No data.	No data.
Ammonium hydroxide	1336-21-6	No data.	No data.	No data.
Poly(oxy-1,2-ethanediyl),.alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	No Data	No Data	No data.
Proprietary Fragrance	NA	No data.	No data.	No data.
Ethoxylated linear alcohol	68131-39-5	No Data	No Data	No data.
Organically-bound copper compounds	NA	No Data	No Data	No Data

**Respiratory Equipment (Specify Type)**

No special protective equipment is necessary.

**Eye Protection**

No special protective equipment is necessary. If splashing to the eyes is a possibility, safety glasses are recommended.

**Protective Gloves**

No special protective equipment is necessary. Chemical-resistant gloves are recommended for individuals with pre-existing skin disorders that may become irritated.

**Other Protective Clothing**

No special protective equipment is necessary.

**Engineering Controls (Ventilation etc.)**

No data available.

**Work/Hygienic/Maintenance Practices**

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

**Environmental Exposure Controls**

None

**SECTION 9**  
**Physical and Chemical Properties**

<b>Physical States:</b>	<input type="checkbox"/> Gas <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Solid
<b>Melting Point:</b>	N/A
<b>Boiling Point:</b>	~ 100.00 C (212.0 F)
<b>Autoignition Pt:</b>	NP
<b>Flash Pt:</b>	NP
<b>Specific Gravity (Water = 1):</b>	1.00 - 1.05 at 70.0 F (21.1 C)
<b>Density:</b>	8.34 - 8.76 LBS/GAL at 70.0 F (21.1 C)
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Solubility in Water:</b>	Soluble
<b>Percent Volatile:</b>	No data.
<b>VOC / Volume:</b>	No Data
<b>Viscosity:</b>	Water Thin
<b>pH:</b>	10.0 – 11.0
<b>Appearance and Odor:</b>	Clear blue liquid with a lavender/ammonia odor.

**SECTION 10**  
**Stability and Reactivity**

**Stability:** Unstable  Stable

**Reactivity**

Stable under recommended storage conditions.

**Conditions to Avoid - Instability**

Avoid heating the liquid or storing in direct sunlight to prevent the formation of irritating gases.

**Incompatibility - Materials to Avoid**

Strong oxidizing agents such as acids.

**Hazardous Decomposition or Byproducts**

Thermal decomposition can lead to release of irritating gases and vapors.

**Possibility of Hazardous Reactions:** Will occur  Will not occur

**Conditions to Avoid - Hazardous Reactions**

Hazardous polymerization will not occur.

## SECTION 11 Toxicological Information

### Toxicological Information

Product is not considered to have any toxic considerations.

CAS# 1336-21-6:

Acute toxicity, LD50, Oral, Rat, 350.0 MG/KG.

Results:

Gastrointestinal: Other changes.

Liver: Other changes.

Kidney, Ureter, Bladder: Other changes.

- Journal of Industrial Hygiene and Toxicology, Vol/p/yr: 23,259, 1941

Standard Draize Test, Eyes, Species: Rabbit, 250.0 UG, Severe; American Journal of Ophthalmology.,

Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

### Chronic Toxicological Effects

No Data Available.

### Irritation or Corrosion

No Data Available.

### Symptoms related to Toxicological Characteristics

No Data Available.

### Sensitization

Not known to be a sensitizer.

### Carcinogenicity/Other Information

This product does not contain any chemicals known to cause cancer, birth defects, or any other reproductive harm.

Components	CAS #	NTP	IARC	ACGIH	OSHA
Water	7732-18-5	NA	NA	NA	NA
Proprietary Surfactants	NA	NA	NA	NA	NA
Ammonium hydroxide	1336-21-6	NA	NA	NA	NA
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	NA	NA	NA	NA
Proprietary Fragrance	NA	NA	NA	NA	NA
Ethoxylated linear alcohol	68131-39-5	NA	NA	NA	NA
Organically-bound copper compounds	NA	NA	NA	NA	NA

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

## SECTION 12 Ecological Information

### General Ecological Information

No data available.

CAS# 1336-21-6:

LC50, Water Flea (Daphnia magna), 60.00 MG/L, 25 H, Mortality, Water temperature: 21.00 C (69.8 F) - 25.00 C

(77.0 F) C; Toxicity of Selected Chemicals to Certain Animals, Dowden, B.F., and H.J. Bennett, 1965

CAS# 68585-34-2:

Effective concentration to 50% of test organisms., Water Flea (Ceriodaphnia dubia), neonate, 3.430 MG/L, 48 H, Intoxication., Water temperature: 23.00 C (73.4 F) C; Toxicity of Laundry Detergent Components to a Freshwater Cladoceran and Their Contribution to Detergent Toxicity, Warne, M.S.J., and A.D. Schifko, 1999

CAS# 68131-39-5:

LC50, Bluegill (Lepomis macrochirus), 2100. UG/L, 96 H, Mortality, Water temperature: 21.00 C (69.8 F) C, pH: 7.10, Hardness: 38.00 MG/L; Susceptibility of Bluegill Sunfish (Lepomis macrochirus) to Nonionic Surfactants, Macek, K.J., and S.F. Krzeminski, 1975

#### **Results of PBT and vPvB assessment**

No data available.

#### **Persistence and Degradability**

No data available.

#### **Bioaccumulative Potential**

No data available.

#### **Mobility in Soil**

No data available.

## **SECTION 13 Disposal Considerations**

#### **Waste Disposal Method**

Observe all applicable federal, state/provincial, and local regulations regarding disposal. Consumer may discard empty container in trash, or recycle where facilities exist.

## **SECTION 14 Transport Information**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

**U.S. DOT** UN/ID Number:  
Proper shipping name: Not Regulated  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**IMO/MDG** UN/ID Number:

Proper shipping name: Not Regulated  
 Hazard class:  
 Packing Group:  
 Exceptions:  
 Environmental Hazards: Not Marine Pollutant  
 Transport in Bulk:  
 Special Precautions:

**ICAO/IATA** UN/ID Number:  
 Proper shipping name: Not Regulated  
 Hazard Class:  
 Packing Group:  
 Exceptions:  
 Environmental Hazards:  
 Transport in Bulk:  
 Special Precautions:

**Canada (TDG)** UN/ID Number:  
 Proper shipping name: Not Regulated  
 Hazard class:  
 Packing Group:  
 Exceptions:  
 Environmental Hazards:  
 Transport in Bulk:  
 Special Precautions:

**Europe (ADR)** UN/ID Number: Not Regulated  
 Proper Shipping Name:  
 Tunnel Restriction Code:

**SECTION 15  
Regulatory Information**

**US EPA SARA Title III**

Components	CAS #	Sec. 302 (EHS)	Sec. 304 RQ	Sec. 313 (TRI)	Sec. 110
Water	7732-18-5	No	No	No	No
Proprietary Surfactants	NA	No	No	No	No
Ammonium hydroxide	1336-21-6	No	Yes 1000 LB	No	No
Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	No	No	No	No
Proprietary Fragrance	NA	No	No	No	No
Ethoxylated linear alcohol	68131-39-5	No	No	No	No
Organically-bound copper compounds	NA	No	No	No	No

**US EPA CAA, CWA, TSCA**

Components	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
Water	7732-18-5	No	No	Inventory	No
Proprietary Surfactants	NA	No	No	No	No
Ammonium hydroxide	1336-21-6	No	No	Inventory	No

Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, C10-16-alkyl ethers, sodium salts	68585-34-2	No	No	Inventory	No
Proprietary Fragrance	NA	No	No	No	No
Ethoxylated linear alcohol	68131-39-5	No	No	Inventory	No
Organically-bound copper compounds	NA	No	No	No	No

**SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:**

**Sec.302:** EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. \* indicates 10000 LB TPQ if not volatile.

**Sec.304:** EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. \*\* indicates statutory RQ.

**Sec.313:** EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

**Sec.110:** EPA SARA 110 Superfund Site Priority Contaminant List

**TSCA (Toxic Substances Control Act) Lists:**

**Inventory:** Chemical Listed in the TSCA Inventory.

**5A (2):** Chemical Subject to Significant New Rules (SNURS)

**6A:** Commercial Chemical Control Rules

**8A:** Toxic Substances Subject To Information Rules on Production

**8A CAIR:** Comprehensive Assessment Information Rules - (CAIR)

**8A PAIR:** Preliminary Assessment Information Rules - (PAIR)

**8C:** Records of Allegations of Significant Adverse Reactions

**8D:** Health and Safety Data Reporting Rules

**8D TERM:** Health and Safety Data Reporting Rule Terminations

**12(b):** Notice of Export

**Other Important Lists:**

**CWA NPDES:** EPA Clean Water Act NPDES Permit Chemical

**CAA HAP:** EPA Clean Air Act Hazardous Air Pollutant

**CAA ODC:** EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)

**CA PROP 65:** California Proposition 65

**International Regulatory Lists:**

**EPA Hazard Categories:**

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

Yes  No Acute (immediate) Health Hazard

Yes  No Chronic (delayed) Health Hazard

Yes  No Fire Hazard

Yes  No Sudden Release of Pressure Hazard

Yes  No Reactive Hazard

**HMIS**

No Data

**NFPA**

No Data



**SECTION 16**  
**Other Information**

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

**ABBREVIATIONS:**

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable