

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### SECTION 1: Identification

#### 1.1 Product identifier

Trade name

Clarity v2 - Glass Cleaner

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Glass and mirror cleaner  
Professional use  
Industrial use  
Consumer use (private households)

HS code

3402.42.90

#### 1.3 Details of the supplier of the safety data sheet

Ethos Handcrafted Car Care  
2332 La Mirada Drive, Ste 400  
Vista, CA. 92081  
1-800-535-5053

<http://www.ethoscarcare.com>  
[support@ethoscarcare.com](mailto:support@ethoscarcare.com)

#### 1.4 Emergency telephone number

Emergency information service

USA 1.800.535.5053, INTL 1.352.323.3500  
24 hour emergency number

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

#### 2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

not required

#### 2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ .

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq 0.1\%$ .

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances

Not relevant (mixture)

#### 3.2 Mixtures

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### Description of the mixture

| Name of substance  | Identifier         | Wt%     | Classification acc. to GHS                                                                                                              |
|--------------------|--------------------|---------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 2-butoxy-1-ethanol | CAS No<br>111-76-2 | 1 - < 5 | Acute Tox. 4 / H302<br>Acute Tox. 4 / H312<br>Acute Tox. 4 / H332<br>Skin Irrit. 2 / H315<br>Eye Irrit. 2 / H319<br>Flam. Liq. 4 / H227 |
| isopropyl alcohol  | CAS No<br>67-63-0  | 1 - < 5 | Eye Irrit. 2 / H319<br>STOT SE 3 / H336<br>Flam. Liq. 2 / H225                                                                          |

### Hazardous ingredients, Consideration of other advice

*This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS.*

Exact percentage of ingredients is withheld as a trade secret.

### Remarks

For full text of abbreviations: see SECTION 16.

## SECTION 4: First-aid measures

### 4.1 Description of first-aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Wash with plenty of soap and water.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

### 4.3 Indication of any immediate medical attention and special treatment needed

none

## SECTION 5: Fire-fighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray, Alcohol resistant foam, BC-powder, Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media

Water jet

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder

Appropriate containment techniques

Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

Control of the effects

Protect against external exposure, such as  
frost

### 7.3 Specific end use(s)

See section 16 for a general overview.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Occupational exposure limit values (Workplace Exposure Limits)

| Country | Name of agent                                   | CAS No   | Identifier | TWA [ppm]  | TWA [mg/m <sup>3</sup> ] | STEL [ppm] | STEL [mg/m <sup>3</sup> ] | Ceiling-C [ppm] | Ceiling-C [mg/m <sup>3</sup> ] | Notation | Source           |
|---------|-------------------------------------------------|----------|------------|------------|--------------------------|------------|---------------------------|-----------------|--------------------------------|----------|------------------|
| US      | 2-butoxyethanol                                 | 111-76-2 | TLV®       | 20         |                          |            |                           |                 |                                |          | ACGIH® 2019      |
| US      | 2-butoxyethanol                                 | 111-76-2 | REL        | 5 (10 h)   | 24 (10 h)                |            |                           |                 |                                | H        | NIOSH REL        |
| US      | 2-butoxyethanol                                 | 111-76-2 | PEL        | 50         | 240                      |            |                           |                 |                                | H        | 29 CFR 1910.1000 |
| US      | 2-butoxyethanol (EGBE) (glycol monobutyl ether) | 111-76-2 | PEL (CA)   | 20         | 97                       |            |                           |                 |                                | H        | Cal/OSHA PEL     |
| US      | 2-propanol                                      | 67-63-0  | TLV®       | 200        |                          | 400        |                           |                 |                                |          | ACGIH® 2019      |
| US      | isopropyl alcohol                               | 67-63-0  | PEL (CA)   | 400        | 980                      | 500        | 1,225                     |                 |                                |          | Cal/OSHA PEL     |
| US      | isopropyl alcohol                               | 67-63-0  | REL        | 400 (10 h) | 980 (10 h)               | 500        | 1,225                     |                 |                                |          | NIOSH REL        |
| US      | isopropyl alcohol                               | 67-63-0  | PEL        | 400        | 980                      |            |                           |                 |                                |          | 29 CFR 1910.1000 |

##### Notation

Ceiling-C

ceiling value is a limit value above which exposure should not occur

H

absorbed through the skin

STEL

short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

TWA

time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

##### Biological limit values

| Country | Name of agent   | Parameter               | Notation   | Identifier | Value    | Source      |
|---------|-----------------|-------------------------|------------|------------|----------|-------------|
| US      | 2-butoxyethanol | Butoxyacetic acid (BAA) | hydr, crea | BEI®       | 200 mg/g | ACGIH® 2019 |
| US      | isopropanol     | acetone                 |            | BEI®       | 40 mg/l  | ACGIH® 2019 |

##### Notation

crea

creatinine

hydr

hydrolysis

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### Relevant DNELs of components

| Name of sub-stance | CAS No   | End-point | Threshold level         | Protection goal, route of exposure | Used in           | Exposure time              |
|--------------------|----------|-----------|-------------------------|------------------------------------|-------------------|----------------------------|
| 2-butoxy-1-ethanol | 111-76-2 | DNEL      | 75 mg/kg                | human, dermal                      | worker (industry) | chronic - systemic effects |
| 2-butoxy-1-ethanol | 111-76-2 | DNEL      | 98 mg/m <sup>3</sup>    | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| 2-butoxy-1-ethanol | 111-76-2 | DNEL      | 1,091 mg/m <sup>3</sup> | human, inhalatory                  | worker (industry) | acute - systemic effects   |
| 2-butoxy-1-ethanol | 111-76-2 | DNEL      | 246 mg/m <sup>3</sup>   | human, inhalatory                  | worker (industry) | acute - local effects      |
| isopropyl alcohol  | 67-63-0  | DNEL      | 500 mg/m <sup>3</sup>   | human, inhalatory                  | worker (industry) | chronic - systemic effects |
| isopropyl alcohol  | 67-63-0  | DNEL      | 888 mg/kg bw/day        | human, dermal                      | worker (industry) | chronic - systemic effects |

### Relevant PNECs of components

| Name of sub-stance | CAS No   | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
|--------------------|----------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 463 mg/l        | microorganisms        | sewage treatment plant (STP) | short-term (single instance) |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 35 mg/kg        | benthic organisms     | sediment                     | short-term (single instance) |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 9.1 mg/l        | aquatic organisms     | water                        | intermittent release         |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 8.8 mg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 0.88 mg/l       | aquatic organisms     | marine water                 | short-term (single instance) |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 463 mg/l        | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 35 mg/kg        | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 3.5 mg/kg       | aquatic organisms     | marine sediment              | short-term (single instance) |
| 2-butoxy-1-ethanol | 111-76-2 | PNEC      | 2.3 mg/kg       | terrestrial organisms | soil                         | short-term (single instance) |
| isopropyl alcohol  | 67-63-0  | PNEC      | 2,251 mg/l      | microorganisms        | sewage treatment plant (STP) | short-term (single instance) |
| isopropyl alcohol  | 67-63-0  | PNEC      | 552 mg/kg       | benthic organisms     | sediment                     | short-term (single instance) |
| isopropyl alcohol  | 67-63-0  | PNEC      | 552 mg/kg       | pelagic organisms     | sediment                     | short-term (single instance) |
| isopropyl alcohol  | 67-63-0  | PNEC      | 160 mg/kg       | (top) predators       | water                        | short-term (single instance) |
| isopropyl alcohol  | 67-63-0  | PNEC      | 141 mg/l        | aquatic organisms     | water                        | intermittent release         |
| isopropyl alcohol  | 67-63-0  | PNEC      | 141 mg/l        | aquatic organisms     | freshwater                   | short-term (single instance) |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### Relevant PNECs of components

| Name of substance | CAS No  | End-point | Threshold level | Organism              | Environmental compartment    | Exposure time                |
|-------------------|---------|-----------|-----------------|-----------------------|------------------------------|------------------------------|
| isopropyl alcohol | 67-63-0 | PNEC      | 141 mg/l        | aquatic organisms     | marine water                 | short-term (single instance) |
| isopropyl alcohol | 67-63-0 | PNEC      | 2,251 mg/l      | aquatic organisms     | sewage treatment plant (STP) | short-term (single instance) |
| isopropyl alcohol | 67-63-0 | PNEC      | 552 mg/kg       | aquatic organisms     | freshwater sediment          | short-term (single instance) |
| isopropyl alcohol | 67-63-0 | PNEC      | 552 mg/kg       | aquatic organisms     | marine sediment              | short-term (single instance) |
| isopropyl alcohol | 67-63-0 | PNEC      | 28 mg/kg        | terrestrial organisms | soil                         | short-term (single instance) |

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

##### - Hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

##### - Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

#### Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                |                       |
|----------------|-----------------------|
| Physical state | liquid                |
| Color          | bright blue           |
| Particle       | not relevant (liquid) |
| Odor           | like alcohols         |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### Other safety parameters

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| pH (value)                              | 5 – 6 (25 °C)                     |
| Melting point/freezing point            | -90 °C                            |
| Initial boiling point and boiling range | 82 °C                             |
| Flash point                             | >100 °C at 101 kPa closed cup     |
| Evaporation rate                        | Not determined                    |
| Flammability (solid, gas)               | not relevant, (fluid)             |
| Vapor pressure                          | 4.3 kPa at 20 °C                  |
| Density                                 | 1 g/ml                            |
| Vapor density                           | this information is not available |

### Solubility(ies)

|                    |                            |
|--------------------|----------------------------|
| - Water solubility | miscible in any proportion |
|--------------------|----------------------------|

### Partition coefficient

|                                          |                                                                       |
|------------------------------------------|-----------------------------------------------------------------------|
| - n-octanol/water (log KOW)              | this information is not available                                     |
| Auto-ignition temperature                | 230 °C (auto-ignition temperature (liquids and gases))                |
| Viscosity                                | not determined                                                        |
| Explosive properties                     | none                                                                  |
| Oxidizing properties                     | none                                                                  |
| Temperature class (USA, acc. to NEC 500) | T2D (maximum permissible surface temperature on the equipment: 215°C) |

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

### 10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

### 10.3 Possibility of hazardous reactions

No known hazardous reactions.

### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

### 10.5 Incompatible materials

There is no additional information.

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Test data are not available for the complete mixture.

#### Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

#### Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

#### Acute toxicity

Shall not be classified as acutely toxic.

| Acute toxicity estimate (ATE) of components |          |                   |             |
|---------------------------------------------|----------|-------------------|-------------|
| Name of substance                           | CAS No   | Exposure route    | ATE         |
| 2-butoxy-1-ethanol                          | 111-76-2 | oral              | 1,414 mg/kg |
| 2-butoxy-1-ethanol                          | 111-76-2 | inhalation: vapor | 11 mg/l/4h  |

#### Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

#### Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

#### Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

#### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

#### Carcinogenicity

Shall not be classified as carcinogenic.

| IARC Monographs on the Evaluation of Carcinogenic Risks to Humans |          |                |         |        |
|-------------------------------------------------------------------|----------|----------------|---------|--------|
| Name of substance                                                 | CAS No   | Classification | Remarks | Number |
| 2-butoxy-1-ethanol                                                | 111-76-2 | 3              |         |        |
| isopropyl alcohol                                                 | 67-63-0  | 3              |         |        |

#### Legend

3 Not classifiable as to carcinogenicity in humans

#### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

#### Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

#### Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

### 12.2 Persistence and degradability

Data are not available.

### 12.3 Bioaccumulative potential

Data are not available.

### 12.4 Mobility in soil

Data are not available.

### 12.5 Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of  $\geq 0.1\%$ .

### 12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) in a concentration of  $\geq 0.1\%$ .

### 12.7 Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

|      |                                                |                                                                       |
|------|------------------------------------------------|-----------------------------------------------------------------------|
| 14.1 | UN number                                      | not subject to transport regulations                                  |
| 14.2 | UN proper shipping name                        | not relevant                                                          |
| 14.3 | Transport hazard class(es)                     | none                                                                  |
| 14.4 | Packing group                                  | not assigned                                                          |
| 14.5 | Environmental hazards                          | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 | Special precautions for user                   | There is no additional information.                                   |
| 14.7 | Transport in bulk according to IMO instruments | The cargo is not intended to be carried in bulk.                      |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### Information for each of the UN Model Regulations

#### Transport of dangerous goods by road or rail (49 CFR US DOT) - Additional information

Not subject to transport regulations.

#### International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

#### International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

## SECTION 15: Regulatory information

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

#### National regulations (United States)

##### Toxic Substance Control Act (TSCA)

all ingredients are listed (ACTIVE) or exempt from listing

##### Superfund Amendment and Reauthorization Act (SARA TITLE III )

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

none of the ingredients are listed

- Specific Toxic Chemical Listings (EPCRA Section 313)

| Toxics Release Inventory: Specific Toxic Chemical Listings |         |                                                                                                         |                |
|------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------|----------------|
| Name of substance                                          | CAS No  | Remarks                                                                                                 | Effective date |
| isopropyl alcohol                                          | 67-63-0 | only persons who manufacture by the strong acid process are subject, supplier notification not required | 1986-12-31     |

##### Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

none of the ingredients are listed

##### Clean Air Act

none of the ingredients are listed

##### Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

| Name of substance             | CAS No     | Functionality    | Authoritative Lists |
|-------------------------------|------------|------------------|---------------------|
| water                         | 7732-18-5  | solvent          |                     |
| 2-butoxy-1-ethanol            | 111-76-2   | co-solvent       | OEHHA RELs          |
| 2-butoxy-1-ethanol            |            |                  | CA TACs             |
| isopropyl alcohol             | 67-63-0    | alcohols         | OEHHA RELs          |
| amino-alkoxy dimethylsiloxane | 71750-80-6 | surface modifier |                     |
| 2-(2-butoxyethoxy)ethanol     |            | co-solvent       | CA TACs             |
| 1-butoxypropan-2-ol           | 5131-66-8  | co-solvent       |                     |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### - Toxic or Hazardous Substance List (MA-TURA)

| Name of substance  | CAS No  | DEP CODE | PBT / HHS / LHS | PBT / HHS Threshold | De Minimis Concentration Threshold |
|--------------------|---------|----------|-----------------|---------------------|------------------------------------|
| 2-butoxy-1-ethanol |         | 1022     |                 |                     | 1.0 %                              |
| isopropyl alcohol  | 67-63-0 |          |                 |                     | 1.0 %                              |

### - Hazardous Substances List (MN-ERTK)

| Name of substance  | CAS No   | References | Remarks |
|--------------------|----------|------------|---------|
| 2-butoxy-1-ethanol | 111-76-2 | A, O       | skin    |
| isopropyl alcohol  | 67-63-0  | A, N, O    |         |

#### Legend

- A American Conference of Governmental Industrial Hygienists (ACGIH), "Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices for 1992-93", available from ACGIH
- N National Institute for Occupational Safety and Health (NIOSH), "Recommendations for Occupational Safety and Health Standards," August 1988, available from NIOSH, Publications Dissemination Office, Division of Standards Development and Technology Transfer
- O Occupational Safety and Health Administration (OSHA), Safety and Health Standards, Code of Federal Regulations, title 29, part 1910, subpart Z, "Toxic and Hazardous Substances, 1990." General information: Minnesota Department of Labor and Industry, Occupational Safety and Health Division
- skin If a potential for absorption from skin contact merits special consideration, the word "skin" follows the substance name.

### - Hazardous Substance List (NJ-RTK)

| Name of substance  | CAS No   | Remarks | Classifications |
|--------------------|----------|---------|-----------------|
| 2-butoxy-1-ethanol | 111-76-2 |         | CA<br>F2        |
| 2-butoxy-1-ethanol |          |         |                 |
| isopropyl alcohol  | 67-63-0  |         | F3              |

#### Legend

- CA Carcinogenic
- F2 Flammable - Second Degree
- F3 Flammable - Third Degree

### - Hazardous Substance List (Chapter 323) (PA-RTK)

| Name acc. to inventory | CAS No   | Classification |
|------------------------|----------|----------------|
| ETHANOL, 2-BUTOXY-     | 111-76-2 |                |
| GLYCOL ETHERS          |          | E              |
| 2-PROPANOL             | 67-63-0  | E              |

#### Legend

- E Environmental hazard

### - Hazardous Substance List (RI-RTK)

| Name of substance  | CAS No   | References |
|--------------------|----------|------------|
| 2-butoxy-1-ethanol | 111-76-2 | T          |
| 2-butoxy-1-ethanol | 111-76-2 | T          |
| isopropyl alcohol  | 67-63-0  | T, F       |

#### Legend

- F Flammability (NFPA®)

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### Legend

T Toxicity (ACGIH®)

### California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1987

none of the ingredients are listed

### VOC content

- Regulated Volatile Organic Compounds (VOC-EPA) 2.8 %
- Regulated Volatile Organic Compounds (VOC-Cal ARB) 2.8 %

### Industry or sector specific available guidance(s)

#### NPCA-HMIS® III

Hazardous Materials Identification System. American Coatings Association.

| Category            | Rating | Description                                                                                                                                                |
|---------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chronic             | /      | none                                                                                                                                                       |
| Health              | 0      | no significant risk to health                                                                                                                              |
| Flammability        | 1      | material that must be preheated before ignition can occur                                                                                                  |
| Physical hazard     | 0      | material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive |
| Personal protection | -      |                                                                                                                                                            |

#### NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

| Category       | Degree of hazard | Description                                                                                                   |
|----------------|------------------|---------------------------------------------------------------------------------------------------------------|
| Flammability   | 1                | material that must be preheated before ignition can occur                                                     |
| Health         | 0                | material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material |
| Instability    | 0                | material that is normally stable, even under fire conditions                                                  |
| Special hazard |                  |                                                                                                               |

### National inventories

| Country | Inventory  | Status                              |
|---------|------------|-------------------------------------|
| CA      | DSL        | all ingredients are listed          |
| EU      | REACH Reg. | not all ingredients are listed      |
| US      | TSCA       | all ingredients are listed (ACTIVE) |
| AU      | AIC        | all ingredients are listed          |
| CN      | IECSC      | all ingredients are listed          |
| EU      | ECSI       | not all ingredients are listed      |
| JP      | CSCL-ENCS  | not all ingredients are listed      |
| JP      | ISHA-ENCS  | not all ingredients are listed      |
| KR      | KECI       | all ingredients are listed          |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

| Country | Inventory | Status                         |
|---------|-----------|--------------------------------|
| MX      | INSQ      | not all ingredients are listed |
| NZ      | NZIoC     | all ingredients are listed     |
| PH      | PICCS     | all ingredients are listed     |
| TR      | CICR      | not all ingredients are listed |
| TW      | TCSI      | all ingredients are listed     |
| VN      | NCI       | all ingredients are listed     |

### Legend

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| AIIIC      | Australian Inventory of Industrial Chemicals                            |
| CICR       | Chemical Inventory and Control Regulation                               |
| CSCL-ENCS  | List of Existing and New Chemical Substances (CSCL-ENCS)                |
| DSL        | Domestic Substances List (DSL)                                          |
| ECSI       | EC Substance Inventory (EINECS, ELINCS, NLP)                            |
| IECSC      | Inventory of Existing Chemical Substances Produced or Imported in China |
| INSQ       | National Inventory of Chemical Substances                               |
| ISHA-ENCS  | Inventory of Existing and New Chemical Substances (ISHA-ENCS)           |
| KECI       | Korea Existing Chemicals Inventory                                      |
| NCI        | National Chemical Inventory                                             |
| NZIoC      | New Zealand Inventory of Chemicals                                      |
| PICCS      | Philippine Inventory of Chemicals and Chemical Substances (PICCS)       |
| REACH Reg. | REACH registered substances                                             |
| TCSI       | Taiwan Chemical Substance Inventory                                     |
| TSCA       | Toxic Substance Control Act                                             |

## 15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information, including date of preparation or last revision

### Indication of changes (revised safety data sheet)

| Section | Former entry (text/value)                                                                                                                                                                                                                                                                           | Actual entry (text/value)                                                                                                                                                                                                                                                                                     | Safety-relevant |
|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 1.1     | Trade name:<br>Ethos Clarity - Glass Cleaner                                                                                                                                                                                                                                                        | Trade name:<br>Clarity v2 - Glass Cleaner                                                                                                                                                                                                                                                                     | yes             |
| 1.2     | Relevant identified uses:<br>Glass and mirror cleaner                                                                                                                                                                                                                                               | Relevant identified uses:<br>Glass and mirror cleaner<br>Professional use<br>Industrial use<br>Consumer use (private households)                                                                                                                                                                              | yes             |
| 1.2     | HS code:<br>3402.13.00                                                                                                                                                                                                                                                                              | HS code:<br>3402.42.90                                                                                                                                                                                                                                                                                        | yes             |
| 1.3     | Details of the supplier of the safety data sheet:<br>Ethos Handcrafted Car Care<br>2332 La Mirada Drive, Ste 400<br>Vista CA 92081<br><br>1-800-535-5053<br><a href="http://ethoscarcare.com">http://ethoscarcare.com</a><br><a href="mailto:support@ethoscarcare.com">support@ethoscarcare.com</a> | Details of the supplier of the safety data sheet:<br>Ethos Handcrafted Car Care<br>2332 La Mirada Drive, Ste 400<br>Vista, CA. 92081<br>1-800-535-5053<br><br><a href="http://www.ethoscarcare.com">http://www.ethoscarcare.com</a><br><a href="mailto:support@ethoscarcare.com">support@ethoscarcare.com</a> | yes             |
| 2.3     | Other hazards:<br>of no significance                                                                                                                                                                                                                                                                | Other hazards                                                                                                                                                                                                                                                                                                 | yes             |
| 2.3     |                                                                                                                                                                                                                                                                                                     | Results of PBT and vPvB assessment:<br>Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$ .                                                                                                                                                                                            | yes             |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

| Section | Former entry (text/value)                                                                                                                                                                                                                                                                                                                          | Actual entry (text/value)                                                                                                                                                                                                                                                                          | Safety-relevant |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 2.3     |                                                                                                                                                                                                                                                                                                                                                    | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$ .                                                                                                                                                                              | yes             |
| 3.2     |                                                                                                                                                                                                                                                                                                                                                    | Description of the mixture:<br>change in the listing (table)                                                                                                                                                                                                                                       | yes             |
| 3.2     | Hazardous ingredients, Consideration of other advice:<br>This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS.<br>Exact percentage of ingredients is withheld as a trade secret. For full text of abbreviations: see SECTION 16. | Hazardous ingredients, Consideration of other advice:<br>This table, if present, includes all GHS classified ingredients present above their cut-off limits, even if the finished product is not classified as hazardous by GHS.<br>Exact percentage of ingredients is withheld as a trade secret. | yes             |
| 3.2     |                                                                                                                                                                                                                                                                                                                                                    | Remarks:<br>For full text of abbreviations: see SECTION 16.                                                                                                                                                                                                                                        | yes             |
| 8.1     |                                                                                                                                                                                                                                                                                                                                                    | Occupational exposure limit values (Workplace Exposure Limits):<br>change in the listing (table)                                                                                                                                                                                                   | yes             |
| 8.1     |                                                                                                                                                                                                                                                                                                                                                    | Relevant DNELs of components:<br>change in the listing (table)                                                                                                                                                                                                                                     | yes             |
| 8.1     |                                                                                                                                                                                                                                                                                                                                                    | Relevant PNECs of components:<br>change in the listing (table)                                                                                                                                                                                                                                     | yes             |
| 9.1     | Odor:<br>mild sweet                                                                                                                                                                                                                                                                                                                                | Odor:<br>like alcohols                                                                                                                                                                                                                                                                             | yes             |
| 9.1     | pH (value):<br>7 – 8 (25 °C)                                                                                                                                                                                                                                                                                                                       | pH (value):<br>5 – 6 (25 °C)                                                                                                                                                                                                                                                                       | yes             |
| 9.1     | Melting point/freezing point:<br>not determined                                                                                                                                                                                                                                                                                                    | Melting point/freezing point:<br>-90 °C                                                                                                                                                                                                                                                            | yes             |
| 11.1    |                                                                                                                                                                                                                                                                                                                                                    | IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:<br>change in the listing (table)                                                                                                                                                                                                | yes             |
| 12.5    | Results of PBT and vPvB assessment:<br>Data are not available.                                                                                                                                                                                                                                                                                     | Results of PBT and vPvB assessment:<br>According to the results of its assessment, this substance is not a PBT or a vPvB. Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0.1\%$ .                                                                                              | yes             |
| 12.6    | Endocrine disrupting properties:<br>None of the ingredients are listed.                                                                                                                                                                                                                                                                            | Endocrine disrupting properties:<br>Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0.1\%$ .                                                                                                                                                                              | yes             |
| 14.3    | Transport hazard class(es):<br>not assigned                                                                                                                                                                                                                                                                                                        | Transport hazard class(es):<br>none                                                                                                                                                                                                                                                                | yes             |
| 15.1    |                                                                                                                                                                                                                                                                                                                                                    | Toxic Substance Control Act (TSCA):<br>all ingredients are listed (ACTIVE) or exempt from listing                                                                                                                                                                                                  | yes             |
| 15.1    |                                                                                                                                                                                                                                                                                                                                                    | Toxics Release Inventory: Specific Toxic Chemical Listings:<br>change in the listing (table)                                                                                                                                                                                                       | yes             |
| 15.1    |                                                                                                                                                                                                                                                                                                                                                    | Cleaning Product Right to Know Act Substance List (CA-RTK):<br>change in the listing (table)                                                                                                                                                                                                       | yes             |
| 15.1    |                                                                                                                                                                                                                                                                                                                                                    | Toxic or Hazardous Substance List (MA-TURA):<br>change in the listing (table)                                                                                                                                                                                                                      | yes             |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

| Section | Former entry (text/value) | Actual entry (text/value)                                                         | Safety-relevant |
|---------|---------------------------|-----------------------------------------------------------------------------------|-----------------|
| 15.1    |                           | Hazardous Substances List (MN-ERTK):<br>change in the listing (table)             | yes             |
| 15.1    |                           | Hazardous Substance List (NJ-RTK):<br>change in the listing (table)               | yes             |
| 15.1    |                           | Hazardous Substance List (Chapter 323) (PA-RTK):<br>change in the listing (table) | yes             |
| 15.1    |                           | Hazardous Substance List (RI-RTK):<br>change in the listing (table)               | yes             |
| 15.1    |                           | National inventories:<br>change in the listing (table)                            | yes             |
| 16      |                           | Abbreviations and acronyms:<br>change in the listing (table)                      | yes             |

### Abbreviations and acronyms

| Abbr.            | Descriptions of used abbreviations                                                                                                                                                                                                                                                                                                                               |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 29 CFR 1910.1000 | 29 CFR 1910.1000, Tables Z-1, Z-2, Z-3 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)                                                                                                                                                                                                                  |
| 49 CFR US DOT    | 49 CFR U.S. Department of Transportation                                                                                                                                                                                                                                                                                                                         |
| ACGIH®           | American Conference of Governmental Industrial Hygienists                                                                                                                                                                                                                                                                                                        |
| ACGIH® 2019      | From ACGIH®, 2019 TLVs® and BEIs® Book. Copyright 2019. Reprinted with permission. Information on the proper use of the TLVs® and BEIs®: <a href="http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement">http://www.acgih.org/tlv-bei-guidelines/policies-procedures-presentations/tlv-bei-position-statement</a> |
| Acute Tox.       | Acute toxicity                                                                                                                                                                                                                                                                                                                                                   |
| ATE              | Acute Toxicity Estimate                                                                                                                                                                                                                                                                                                                                          |
| Cal/OSHA PEL     | California Division of Occupational Safety and Health (Cal/OSHA): Permissible Exposure Limits (PELs)                                                                                                                                                                                                                                                             |
| Cal ARB          | California Air Resources Board                                                                                                                                                                                                                                                                                                                                   |
| CAS              | Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)                                                                                                                                                                                                                                                           |
| Ceiling-C        | Ceiling value                                                                                                                                                                                                                                                                                                                                                    |
| DEP CODE         | Department of Environmental Protection Code                                                                                                                                                                                                                                                                                                                      |
| DGR              | Dangerous Goods Regulations (see IATA/DGR)                                                                                                                                                                                                                                                                                                                       |
| DNEL             | Derived No-Effect Level                                                                                                                                                                                                                                                                                                                                          |
| ED               | Endocrine disruptor                                                                                                                                                                                                                                                                                                                                              |
| EINECS           | European Inventory of Existing Commercial Chemical Substances                                                                                                                                                                                                                                                                                                    |
| ELINCS           | European List of Notified Chemical Substances                                                                                                                                                                                                                                                                                                                    |
| EPA              | Environmental Protection Agency. An agency of the federal government of the United States charged with protecting human health and the environment                                                                                                                                                                                                               |
| Eye Dam.         | Seriously damaging to the eye                                                                                                                                                                                                                                                                                                                                    |
| Eye Irrit.       | Irritant to the eye                                                                                                                                                                                                                                                                                                                                              |
| Flam. Liq.       | Flammable liquid                                                                                                                                                                                                                                                                                                                                                 |
| GHS              | "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations                                                                                                                                                                                                                                                        |
| HHS              | Higher hazard substance                                                                                                                                                                                                                                                                                                                                          |

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

| Abbr.          | Descriptions of used abbreviations                                                                                 |
|----------------|--------------------------------------------------------------------------------------------------------------------|
| HS             | Harmonized Commodity Description and Coding System (Harmonized System, drawn up by the World Customs Organisation) |
| IARC           | International Agency for Research on Cancer                                                                        |
| IATA           | International Air Transport Association                                                                            |
| IATA/DGR       | Dangerous Goods Regulations (DGR) for the air transport (IATA)                                                     |
| ICAO           | International Civil Aviation Organization                                                                          |
| IMDG           | International Maritime Dangerous Goods Code                                                                        |
| LHS            | Lower hazard substance                                                                                             |
| NFPA®          | National Fire Protection Association (United States)                                                               |
| NIOSH REL      | National Institute for Occupational Safety and Health (NIOSH): Recommended Exposure Limits (RELs)                  |
| NLP            | No-Longer Polymer                                                                                                  |
| NPCA-HMIS® III | National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition      |
| OSHA           | Occupational Safety and Health Administration (United States)                                                      |
| PBT            | Persistent, Bioaccumulative and Toxic                                                                              |
| PEL            | Permissible exposure limit                                                                                         |
| PNEC           | Predicted No-Effect Concentration                                                                                  |
| ppm            | Parts per million                                                                                                  |
| RTECS          | Registry of Toxic Effects of Chemical Substances (database of NIOSH with toxicological information)                |
| Skin Corr.     | Corrosive to skin                                                                                                  |
| Skin Irrit.    | Irritant to skin                                                                                                   |
| STEL           | Short-term exposure limit                                                                                          |
| STOT SE        | Specific target organ toxicity - single exposure                                                                   |
| TLV®           | Threshold Limit Values                                                                                             |
| TWA            | Time-weighted average                                                                                              |
| VOC            | Volatile Organic Compounds                                                                                         |
| vPvB           | Very Persistent and very Bioaccumulative                                                                           |

### Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

# Safety Data Sheet

acc. to 29 CFR 1910.1200 App D

## Clarity v2 - Glass Cleaner

Version number: GHS 2.0  
Replaces version of: 2022-01-31 (GHS 1)

Revision: 2024-05-17

### List of relevant phrases (code and full text as stated in section 2 and 3)

| Code | Text                               |
|------|------------------------------------|
| H225 | Highly flammable liquid and vapor. |
| H227 | Combustible liquid.                |
| H302 | Harmful if swallowed.              |
| H312 | Harmful in contact with skin.      |
| H315 | Causes skin irritation.            |
| H319 | Causes serious eye irritation.     |
| H332 | Harmful if inhaled.                |
| H336 | May cause drowsiness or dizziness. |

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.