

# SAFETY DATA SHEET

## A06410 BRDWLK GLASS CLNR BWK341A 20N18.5

Version 2.0

Revision Date 05/25/2018

Print Date 02/11/2021

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : A06410 BRDWLK GLASS CLNR BWK341A 20N18.5  
Material number : 000000000001041288

#### Manufacturer or supplier's details

Company : Boardwalk / Essendant Co.  
Address : One Parkway North  
Deerfield, IL 60015  
Telephone : 844-826-5617

#### Emergency telephone numbers

For SDS Information : 844-828-5617  
For a Medical Emergency :  
For a Transportation Emergency : Chemtel: 1(800)255-3294

#### Recommended use of the chemical and restrictions on use

Recommended use : Glass Cleaner

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

|            |                                    |
|------------|------------------------------------|
| Appearance | Aerosol containing a liquefied gas |
| Colour     | clear                              |
| Odour      | characteristic                     |

#### GHS Classification

Gases under pressure : Liquefied gas

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H280 Contains gas under pressure; may explode if heated.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.  
**Storage:**  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.  
**Disposal:**

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P501 Dispose of contents/container in accordance with local regulation.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

| Chemical name   | CAS-No.  | Concentration [%] |
|-----------------|----------|-------------------|
| propane         | 74-98-6  | >= 1 - < 3        |
| butane          | 106-97-8 | >= 1 - < 3        |
| 2-butoxyethanol | 111-76-2 | >= 1 - < 3        |
| ethanol         | 64-17-5  | >= 1 - < 3        |

The exact percentages of disclosed substances are withheld as trade secrets.

### SECTION 4. FIRST AID MEASURES

General advice : Do not leave the victim unattended.  
Show this safety data sheet to the doctor in attendance.  
Move out of dangerous area.

If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.

In case of skin contact : If skin irritation persists, call a physician.  
Wash off immediately with plenty of water for at least 15 minutes.  
If on clothes, remove clothes.

In case of eye contact : Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.  
If in eyes, rinse with water for 15 minutes.

If swallowed : Keep respiratory tract clear.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.

Most important symptoms and effects, both acute and delayed : Effects may be delayed, symptoms may include minor eye or skin irritation.  
Overexposure may cause mild eye or skin irritation.

Notes to physician : Treat symptomatically. Symptoms may be delayed.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : High volume water jet

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| Specific hazards during firefighting          | : | Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                 | : | Carbon dioxide (CO <sub>2</sub> )<br>Carbon monoxide<br>Smoke   |
| Specific extinguishing methods                | : | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.   |
| Further information                           | : | Standard procedure for chemical fires.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Special protective equipment for firefighters | : | Wear self-contained breathing apparatus for firefighting if necessary.  |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|   |   |   |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Ensure adequate ventilation.<br>Evacuate personnel to safe areas.<br>Remove all sources of ignition.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. |
| Environmental precautions   | : | Prevent further leakage or spillage if safe to do so.<br>Prevent product from entering drains.<br>If the product contaminates rivers and lakes or drains inform respective authorities.   |
| Methods and materials for containment and cleaning up               | : | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Sweep up or vacuum up spillage and collect in suitable container for disposal.  |

### SECTION 7. HANDLING AND STORAGE

|                             |   |   |
|-----------------------------|---|---|
| Advice on safe handling     | : | Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Dispose of rinse water in accordance with local and national regulations.<br>Always replace cap after use.<br>Do not breathe vapours or spray mist.<br>Take precautionary measures against static discharges.<br>Avoid exposure - obtain special instructions before use.<br>Provide sufficient air exchange and/or exhaust in work rooms. |
| Conditions for safe storage | : | BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.<br>Keep container tightly closed in a dry and well-ventilated place.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards.  |
| Materials to avoid          | : | Strong oxidizing agents   |

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Components with workplace control parameters**

| Components      | CAS-No.  | Value type<br>(Form of exposure) | Control parameters /<br>Permissible concentration | Basis     |
|-----------------|----------|----------------------------------|---|-----------|
| propane         | 74-98-6  | TWA                              | 1,000 ppm   | ACGIH     |
|                 |          |                                  | 1,000 ppm<br>1,800 mg/m <sup>3</sup>              | NIOSH REL |
|                 |          |                                  | 1,000 ppm<br>1,800 mg/m <sup>3</sup>              | OSHA Z-1  |
|                 |          |                                  | 1,000 ppm<br>1,800 mg/m <sup>3</sup>              | OSHA P0   |
|                 |          |                                  | 1,000 ppm<br>1,800 mg/m <sup>3</sup>              | CAL PEL   |
| butane          | 106-97-8 | TWA                              | 800 ppm<br>1,900 mg/m <sup>3</sup>                | NIOSH REL |
|                 |          |                                  | 800 ppm<br>1,900 mg/m <sup>3</sup>                | OSHA P0   |
|                 |          |                                  | 800 ppm<br>1,900 mg/m <sup>3</sup>                | CAL PEL   |
| 2-butoxyethanol | 111-76-2 | TWA                              | 20 ppm  | ACGIH     |
|                 |          |                                  | 5 ppm<br>24 mg/m <sup>3</sup>                     | NIOSH REL |
|                 |          |                                  | 50 ppm<br>240 mg/m <sup>3</sup>                   | OSHA Z-1  |
|                 |          |                                  | 25 ppm<br>120 mg/m <sup>3</sup>                   | OSHA P0   |
|                 |          |                                  | 20 ppm<br>97 mg/m <sup>3</sup>                    | CAL PEL   |
| ethanol         | 64-17-5  | TWA                              | 1,000 ppm   | ACGIH     |
|                 |          |                                  | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | NIOSH REL |
|                 |          |                                  | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | OSHA Z-1  |
|                 |          |                                  | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | OSHA P0   |
|                 |          |                                  | 1,000 ppm   | ACGIH     |
|                 |          | PEL                              | 1,000 ppm<br>1,900 mg/m <sup>3</sup>              | CAL PEL   |

**Biological occupational exposure limits**

| Component       | CAS-No.  | Control parameters      | Biological specimen | Sampling time  | Permissible concentration | Basis     |
|-----------------|----------|-------------------------|---------------------|--|---------------------------|-----------|
| 2-BUTOXYETHANOL | 111-76-2 | Butoxyacetic acid (BAA) | Urine               | End of shift (As soon as possible after exposure ceases) | 200.mg/g Creatinine       | ACGIH BEI |

**Engineering measures** : effective ventilation in all processing areas

**Personal protective equipment**

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|--------------------------|---|
| Respiratory protection   | : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. |
| Hand protection          |   |
| Material                 | : Protective gloves   |
| Remarks                  | : The suitability for a specific workplace should be discussed with the producers of the protective gloves.   |
| Eye protection           | : Ensure that eyewash stations and safety showers are close to the workstation location.<br>Tightly fitting safety goggles  |
| Skin and body protection | : Impervious clothing<br>Choose body protection according to the amount and concentration of the dangerous substance at the work place.   |
| Hygiene measures         | : When using do not eat or drink.<br>When using do not smoke.<br>Wash hands before breaks and at the end of workday.  |

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                                      |
|--|--------------------------------------|
| Appearance                             | : Aerosol containing a liquefied gas |
| Colour                                 | : clear                              |
| Odour                                  | : characteristic                     |
| Odour Threshold                        | : No data available                  |
| pH                                     | : No data available                  |
| Melting point/freezing point           | : No data available                  |
| Boiling point                          | : Not applicable                     |
| Flash point                            | :<br>Not applicable                  |
| Evaporation rate                       | : No data available                  |
| Flammability (solid, gas)              | : The product is not flammable.      |
| Upper explosion limit                  | : No data available                  |
| Lower explosion limit                  | : No data available                  |
| Vapour pressure                        | : Not applicable                     |
| Relative vapour density                | : No data available                  |
| Density                                | : No data available                  |
| Solubility(ies)                        |                                      |
| Water solubility                       | : slightly soluble                   |
| Partition coefficient: n-octanol/water | : No data available                  |
| Auto-ignition temperature              | : not determined                     |
| Thermal decomposition                  | : No data available                  |
| Viscosity                              |                                      |

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Viscosity, kinematic : No data available

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Vapours may form explosive mixture with air.  
No decomposition if stored and applied as directed.

Conditions to avoid : Heat, flames and sparks.  
Extremes of temperature and direct sunlight.

Incompatible materials : Strong oxidizing agents  
Alkali metals

Hazardous decomposition products : Carbon oxides

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Potential Health Effects

Aggravated Medical Condition : None known.

Symptoms of Overexposure : Effects may be delayed, symptoms may include minor eye or skin irritation.

#### Carcinogenicity:

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH** Confirmed animal carcinogen with unknown relevance to humans  
2-butoxyethanol 111-76-2  
ethanol 64-17-5

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 91.37 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist

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Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

### Components:

#### **2-butoxyethanol:**

Acute oral toxicity : LD50 Oral Rat: 880 mg/kg

Acute dermal toxicity : LD50 Dermal Rabbit: 1,060 mg/kg

#### **ethanol:**

Acute oral toxicity : LD50 Oral Rat: 7,060 mg/kg

Acute inhalation toxicity : LC50 Rat: 124.7 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

### **Skin corrosion/irritation**

#### Product:

Remarks: May cause skin irritation and/or dermatitis.

### **Serious eye damage/eye irritation**

#### Product:

Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

### **Respiratory or skin sensitisation**

No data available

### **Germ cell mutagenicity**

No data available

### **Carcinogenicity**

#### Product:

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

### **Reproductive toxicity**

No data available

### **STOT - single exposure**

No data available

### **STOT - repeated exposure**

No data available

### **Aspiration toxicity**

No data available

### **Further information**

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### Product:

Remarks: No data available

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

No data available

### Bioaccumulative potential

#### Product:

Partition coefficient: n-octanol/water : Remarks: No data available

#### Components:

##### butane :

Partition coefficient: n-octanol/water : Pow: 2.89

##### ethanol :

Partition coefficient: n-octanol/water : Remarks: No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with local regulations.

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Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

### SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IMDG (Vessel):  
UN1950, AEROSOLS, 2.2, - Limited quantity

Transportation Regulation: IATA (Cargo Air):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: IATA (Passenger Air):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

Transportation Regulation: TDG (Canada):  
UN1950, AEROSOLS, NON-FLAMMABLE, 2.2, - Limited quantity

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

### SECTION 15. REGULATORY INFORMATION

**TSCA list** : No substances are subject to a Significant New Use Rule.  
No substances are subject to TSCA 12(b) export notification requirements.

#### EPCRA - Emergency Planning and Community Right-to-Know Act

#### CERCLA Reportable Quantity

| Components          | CAS-No.  | Component RQ (lbs) | Calculated product RQ (lbs) |
|---------------------|----------|--------------------|-----------------------------|
| 2,2'-iminodiethanol | 111-42-2 | 100                | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Gases under pressure

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

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

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2-butoxyethanol

111-76-2

1.6416 %

### California Prop. 65



WARNING: This product can expose you to chemicals including 2,2'-iminodiethanol, which is/are known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

### The components of this product are reported in the following inventories:

**DSL** All components of this product are on the Canadian DSL  
**TSCA** On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

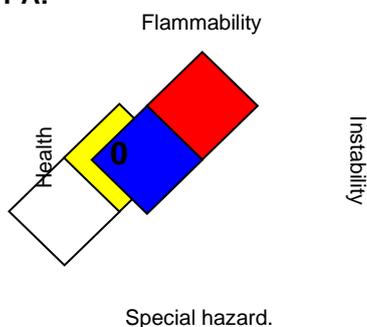
### Inventory Acronym and Validity Area Legend:

TSCA (USA), DSL (Canada), NDSL (Canada)

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>1</b> |
| <b>FLAMMABILITY</b>    | <b>2</b> |
| <b>PHYSICAL HAZARD</b> | <b>3</b> |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

### OSHA GHS Label Information:

Hazard pictograms



Signal word

Hazard statements

Precautionary statements

: **Warning:**  
: Contains gas under pressure; may explode if heated.

: **Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Pressurized container: Do not pierce or burn, even after use.

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**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:** Dispose of contents/container in accordance with local regulation.

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