



# SAFETY DATA SHEET

CB 100 ALU

## Section 1. Identification

|                               |  |
|-------------------------------|--|
| <b>GHS product identifier</b> | : CB 100 ALU   |
| <b>Product code</b>           | : 53-G 123 (500 ml), 53-G 125 (3.78 L), 53-G 127 (20 L), 53-G 128 (208 L), 53-G 129 (1000 L) |
| <b>SDS no.</b>                | : L-158E   |
| <b>Product type</b>           | : Liquid.  |

### Identified uses

Powerful cleaner and degreaser.

|                     |   |
|---------------------|---|
| <b>Manufacturer</b> | : Walter Surface Technologies Inc.<br>Bio-Circle – A Division of Walter Surface Technologies Inc.<br>5977 Trans Canada Highway<br>Pointe-Claire, QC H9R 1C1<br>Canada<br>info@walter.com<br>www.walter.com<br>General Information: 1-888-592-5837 |
|---------------------|---|

|   |  |
|---|--|
| <b>Emergency telephone number (with hours of operation)</b> | : CANUTEC: +1-613-996-6666 or *666 (cellular) (24/7) |
|---|--|

## Section 2. Hazards identification

|                        |  |
|------------------------|--|
| <b>OSHA/HCS status</b> | : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product. |
|------------------------|--|

|   |                   |
|---|-------------------|
| <b>Classification of the substance or mixture</b> | : Not classified. |
|---|-------------------|

### GHS label elements

|                                 |   |
|---------------------------------|---|
| <b>Signal word</b>              | : No signal word.                                   |
| <b>Hazard statements</b>        | : No known significant effects or critical hazards. |
| <b>Precautionary statements</b> |   |
| <b>Prevention</b>               | : Not applicable.                                   |
| <b>Response</b>                 | : Not applicable.                                   |
| <b>Storage</b>                  | : Not applicable.                                   |
| <b>Disposal</b>                 | : Not applicable.                                   |

### Hazards not otherwise classified (HNOC)

|  |               |
|--|---------------|
| <b>Physical hazards not otherwise classified (PHNOC)</b> | : None known. |
| <b>Health hazards not otherwise classified (HHNOC)</b>   | : None known. |



## Section 3. Composition/information on ingredients

- Substance/mixture** : Mixture  
**Product code** : 53-G 123 (500 ml), 53-G 125 (3.78 L), 53-G 127 (20 L), 53-G 128 (208 L), 53-G 129 (1000 L)

### CAS number/other identifiers

- CAS number** : Not applicable.

| Ingredient name  | %       | CAS number |
|--|---------|------------|
| Alcohols, C9-11, ethoxylated                                     | 1 - 5   | 68439-46-3 |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -isodecyl- $\omega$ -hydroxy- | 1 - 5   | 61827-42-7 |
| 2-(2-Butoxyethoxy)ethanol  | 1 - 5   | 112-34-5   |
| Isotridecanol, ethoxylated                                       | 1 - 5   | 69011-36-5 |
| Dodecyltrimethylamine oxide                                      | 0.1 - 1 | 1643-20-5  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

### Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately.
- Skin contact** : Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

## Section 4. First aid measures

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : No specific fire or explosion hazard.

- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions for fire-fighters** : No special measures are required.

**Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Methods and materials for containment and cleaning up

- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

- Conditions for safe storage, including any incompatibilities** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### United States

#### Occupational exposure limits

| Ingredient name           | Exposure limits  |
|---------------------------|--|
| 2-(2-Butoxyethoxy)ethanol | <b>ACGIH TLV (United States, 6/2013).</b><br>TWA: 10 ppm 8 hours. Form: Inhalable fraction and vapor |

#### Canada

| Occupational exposure limits    |                 | TWA (8 hours) |                   |       | STEL (15 mins) |                   |       | Ceiling |                   |       | Notations |
|---------------------------------|-----------------|---------------|-------------------|-------|----------------|-------------------|-------|---------|-------------------|-------|-----------|
| Ingredient                      | List name       | ppm           | mg/m <sup>3</sup> | Other | ppm            | mg/m <sup>3</sup> | Other | ppm     | mg/m <sup>3</sup> | Other |           |
| (2-Methoxymethylethoxy)propanol | US ACGIH 3/2015 | 100           | 606               | -     | 150            | 909               | -     | -       | -                 | -     | [1]       |
|                                 | AB 4/2009       | 100           | 606               | -     | 150            | 909               | -     | -       | -                 | -     | [1]       |
|                                 | BC 2/2015       | 100           | -                 | -     | 150            | -                 | -     | -       | -                 | -     | [1]       |
|                                 | ON 7/2015       | 100           | 606               | -     | 150            | 909               | -     | -       | -                 | -     | [1]       |
|                                 | QC 1/2014       | 100           | 606               | -     | 150            | 909               | -     | -       | -                 | -     | [1]       |
| 2-(2-Butoxyethoxy)ethanol       | US ACGIH 3/2015 | 10            | -                 | -     | -              | -                 | -     | -       | -                 | -     | [a]       |
|                                 | ON 7/2015       | 10            | -                 | -     | -              | -                 | -     | -       | -                 | -     | [a]       |

[1] Absorbed through skin.

Form: [a] Inhalable fraction and vapor

- Appropriate engineering controls** : Ensure adequate ventilation. No personal respiratory protective equipment normally required.

- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

## Section 8. Exposure controls/personal protection

### Individual protection measures

- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Not required under normal conditions of use.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Liquid.
- Color** : Colorless.
- Odor** : Characteristic.
- Odor threshold** : Not available.
- pH** : 8.5
- Melting point** : 0°C (32°F)
- Boiling point** : 100°C (212°F)
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not applicable.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.
- Relative density** : 1.006
- Solubility** : Soluble in the following materials: cold water and hot water.
- Partition coefficient: n-octanol/water** : Not available.
- Auto-ignition temperature** : Not available.
- Decomposition temperature** : Not available.
- Viscosity** : Not available.
- VOC content** : 0.21% (CARB 310)

## Section 10. Stability and reactivity

- Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.
- Conditions to avoid** : No specific data.
- Incompatible materials** : Reactive or incompatible with the following materials: oxidizing materials and reducing materials.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name      | Result      | Species | Dose       | Exposure |
|------------------------------|-------------|---------|------------|----------|
| Alcohols, C9-11, ethoxylated | LD50 Dermal | Rabbit  | >2 g/kg    | -        |
|                              | LD50 Oral   | Rat     | 1378 mg/kg | -        |
| 2-(2-Butoxyethoxy)ethanol    | LD50 Dermal | Rabbit  | 2700 mg/kg | -        |
|                              | LD50 Oral   | Rat     | 4500 mg/kg | -        |

#### Irritation/Corrosion

| Product/ingredient name  | Result                   | Species | Score | Exposure             | Observation |
|--|--------------------------|---------|-------|----------------------|-------------|
| Poly(oxy-1,2-ethanediyl), $\alpha$ -isodecyl- $\omega$ -hydroxy- | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 100 $\mu$ L | -           |
|  | Skin - Severe irritant   | Rabbit  | -     | 24 hours 500 $\mu$ L | -           |
| 2-(2-Butoxyethoxy)ethanol  | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20 mg       | -           |
|  | Eyes - Severe irritant   | Rabbit  | -     | 20 mg                | -           |
| Dodecyltrimethylamine oxide                                      | Eyes - Severe irritant   | Rabbit  | -     | 1%                   | -           |
|  | Skin - Severe irritant   | Rabbit  | -     | 24 hours 2 mg        | -           |
|  | Skin - Mild irritant     | Human   | -     | 48 hours 3.7%        | -           |

#### Sensitization

There is no data available.

#### Carcinogenicity

There is no data available.

#### Specific target organ toxicity (single exposure)

There is no data available.

#### Specific target organ toxicity (repeated exposure)

There is no data available.

#### Aspiration hazard

There is no data available.

**Information on the likely routes of exposure** : Dermal contact. Eye contact. Inhalation. Ingestion.

#### Potential acute health effects

## Section 11. Toxicological information

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### Long term exposure

- Potential immediate effects** : No known significant effects or critical hazards.  
**Potential delayed effects** : No known significant effects or critical hazards.

#### Potential chronic health effects

- General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route  | ATE value      |
|--------|----------------|
| Oral   | 26946.1 mg/kg  |
| Dermal | 192857.1 mg/kg |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name      | Result                              | Species                                    | Exposure |
|------------------------------|-------------------------------------|--|----------|
| Alcohols, C9-11, ethoxylated | Acute EC50 5.36 mg/L Fresh water    | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
| 2-(2-Butoxyethoxy)ethanol    | Acute EC50 2686 µg/L Fresh water    | Daphnia - Daphnia magna - Neonate          | 48 hours |
|                              | Acute LC50 8500 µg/L Fresh water    | Fish - Pimephales promelas                 | 96 hours |
|                              | Acute LC50 1300000 µg/L Fresh water | Fish - Lepomis macrochirus                 | 96 hours |

### Persistence and degradability



## Section 12. Ecological information

| Product/ingredient name | Aquatic half-life | Photolysis             | Biodegradability |
|-------------------------|-------------------|------------------------|------------------|
| CB 100 Alu              | -                 | >95%; 28 to 100 day(s) | Readily          |

### Bioaccumulative potential

| Product/ingredient name   | LogP <sub>ow</sub> | BCF      | Potential  |
|---|--------------------|----------|------------|
| Alcohols, C9-11, ethoxylated<br>(2-Methoxymethylethoxy)propanol | -<br>0.004         | 237<br>- | low<br>low |
| 2-(2-Butoxyethoxy)ethanol                                       | 1                  | -        | low        |
| Isotridecanol, ethoxylated                                      | -                  | 232.5    | low        |

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                   | DOT            | TDG            | IMDG           | IATA           |
|-----------------------------------|----------------|----------------|----------------|----------------|
| <b>UN number</b>                  | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| <b>UN proper shipping name</b>    | -              | -              | -              | -              |
| <b>Transport hazard class(es)</b> | -              | -              | -              | -              |
| <b>Packing group</b>              | -              | -              | -              | -              |
| <b>Environmental hazards</b>      | No.            | No.            | No.            | No.            |
| <b>Additional information</b>     | -              | -              | -              | -              |

**AERG** : Not applicable.



## Section 14. Transport information

**Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. Protect from freezing. Freezing will damage product and render it unusable.

## Section 15. Regulatory information

**U.S. Federal regulations** : **TSCA 8(a) PAIR:** Methyl dihydrogen phosphate; (2-Methoxymethylethoxy)propanol  
**United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

No products were found.

**SARA 304 RQ** : Not applicable.

### SARA 311/312

**Classification** : Not applicable.

#### Composition/information on ingredients

| Name  | %       | Fire hazard | Sudden release of pressure | Reactive | Immediate (acute) health hazard | Delayed (chronic) health hazard |
|---|---------|-------------|----------------------------|----------|---------------------------------|---------------------------------|
| Alcohols, C9-11, ethoxylated                    | 1 - 5   | No.         | No.                        | No.      | Yes.                            | No.                             |
| Poly(oxy-1,2-ethanediyl), α-isodecyl-ω-hydroxy- | 1 - 5   | No.         | No.                        | No.      | Yes.                            | No.                             |
| 2-(2-Butoxyethoxy)ethanol                       | 1 - 5   | Yes.        | No.                        | No.      | Yes.                            | No.                             |
| Isotridecanol, ethoxylated                      | 1 - 5   | No.         | No.                        | No.      | Yes.                            | No.                             |
| Dodecyldimethylamine oxide                      | 0.1 - 1 | No.         | No.                        | No.      | Yes.                            | No.                             |

### SARA 313

|  | Product name              | CAS number | %     |
|--|---------------------------|------------|-------|
| <b>Form R - Reporting requirements</b> | 2-(2-Butoxyethoxy)ethanol | 112-34-5   | 1 - 5 |
| <b>Supplier notification</b>           | 2-(2-Butoxyethoxy)ethanol | 112-34-5   | 1 - 5 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

**Massachusetts** : The following components are listed: (2-Methoxymethylethoxy)propanol

## Section 15. Regulatory information

- New York** : None of the components are listed.
- New Jersey** : The following components are listed: (2-Methoxymethylethoxy)propanol; 2-(2-Butoxyethoxy)ethanol
- Pennsylvania** : The following components are listed: (2-Methoxymethylethoxy)propanol; 2-(2-Butoxyethoxy)ethanol

### California Prop. 65

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

**WARNING:** This product contains less than 0.1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

| Ingredient name | Cancer | Reproductive | No significant risk level | Maximum acceptable dosage level |
|-----------------|--------|--------------|---------------------------|---------------------------------|
| Ethylene oxide  | Yes.   | Yes.         | Yes.                      | Yes.                            |
| Propylene oxide | Yes.   | No.          | No.                       | No.                             |

### Canada

#### Canadian lists

- Canadian NPRI** : The following components are listed: 2-(2-Butoxyethoxy)ethanol
- CEPA Toxic substances** : None of the components are listed.
- Canada inventory** : All components are listed or exempted.

#### International lists

##### National inventory

- Australia** : All components are listed or exempted.
- China** : All components are listed or exempted.
- Europe** : All components are listed or exempted.
- New Zealand** : All components are listed or exempted.
- Republic of Korea** : All components are listed or exempted.

## Section 16. Other information

### History

- Date of issue mm/dd/yyyy** : 10/30/2016
- Date of previous issue** : 05/15/2016
- Version** : 2.1
- Revised Section(s)** : 1, 3, 8, 16.
- Prepared by** : KMK Regulatory Services Inc.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.