



# Material Safety Data Sheet

Version 2.12  
Revision Date 08/03/2017

MSDS Number 004  
Print Date 08/03/2017

## 1. PRODUCT AND COMPANY IDENTIFICATION

Sample Name: AmBrew Cleanser

Recommended use: Hard Surface Cleaner

Manufacturer/Supplier: LOGIC, Inc.  
PO Box 603  
Trexlerstown, PA, 18087

Emergency Phone: **For Hazardous Materials [or Dangerous Goods] Incident  
Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night  
1-800-424-9300 / +1 703-527-3887 CCN824341**

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## 2. HAZARDS IDENTIFICATION

**GHS Classification** : Eye Irritation - Category 2A H319  
Skin Irritation - Category 2 H315

### GHS Labeling Elements

**GHS Pictograms** :



**GHS Signal Word** : **Warning**  
**GHS Hazard Statements** : **H315 - Causes skin irritation**  
**H319 - Causes serious eye irritation**

**GHS Precautionary Statements** : P264 – Wash exposed skin after handling  
P280 – Wear eye protection, protective gloves  
P302+P352 – If on skin: Wash with soap and water  
P305+P351+P338 – If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P332+P313 – If skin irritation occurs: Get medical advice/attention  
P337+P313 – If eye irritation persists: Get medical advice/attention

**Other Hazards not otherwise classified** : Not applicable.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Concentration
Sodium Carbonate Peroxyhydrate	15630-89-4	20 - 40 %
Sodium Carbonate	497-19-8	20 - 40 %
Sodium Metasilicate	7647-14-5	10 - 20 %
Sodium Citrate	68-04-2	10 - 20 %

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## 4. FIRST-AID MEASURES

- Eye : Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. If irritation persists, seek medical attention.
- Skin : Remove contaminated clothing, and any extraneous chemical and wash with plenty of water.
- Ingestion : Do not induce vomiting. Seek medical attention.
- Inhalation : Move to fresh air. If signs/symptoms continue, get medical attention.

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## 5. FIRE-FIGHTING MEASURES

- Fire and explosion hazards : No Data
- Extinguishing media : Water spray  
Alcohol-resistant foam.  
Carbon dioxide (CO<sub>2</sub>).  
Dry chemical.
- Special firefighting procedures : Wear self contained breathing apparatus for fire fighting if necessary. Keep unopened containers cool by spraying with water.
- Hazardous products of combustion : Carbon oxides and sodium oxides

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## 6. ACCIDENTAL RELEASE MEASURES

- Methods and materials for containment and cleaning up : Sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
- Personal precautions, protective equipment, and emergency procedures : Wear suitable protective clothing, gloves and eye protection.  
Evacuate unnecessary personnel.
- Other emergency advice : If possible, stop flow of product.
- Environmental effects : Prevent undilute entry to sewers and public waters.
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## 7. HANDLING AND STORAGE

- Handling : Adhere to work practice rules established by government regulations. Avoid contact with eyes. Use personal protective equipment. When using, do not eat, drink or smoke.
- Storage : Keep container tightly closed in a cool, dry, well-ventilated area. Containers which are opened must be resealed after use.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls : Use ventilation and/or enclosures to minimize dust in immediate atmosphere.
- Personal Protective Equipment : Protective gloves and eye wear..
- Respiratory Protection : When risk assessment shows air purifying respirators are appropriate, use a dust respirator.
- Eye/Face Protection : Safety glasses with side shields, goggles, or face mask when handling bulk product. Maintain eye wash fountain in the work area.
- Skin Protection : Wear impervious clothing, including boots, gloves, lab coat, apron, or coveralls, as appropriate, to prevent skin contact.
- Occupational Exposure Limits : Not available

*For Exposure Guidelines, see Section 2.*

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical state : Solid (Powder)
- Appearance : White powder
- Odor : Mildly alkaline
- pH : 10.5 at 1%
- Specific gravity (water = 1) : NDA
- Viscosity (CPS) : N/A
- Vapor pressure (mm Hg) : Negligible
- Vapor density (air = 1) : Negligible
- Boiling point : N/A
- Freezing/melting point : NDA / Decomposes at >60° C
- Flashpoint : NDA
- Flammable limits in air: LFL : NDA
- Autoignition temperature : NDA
- % volatile : N/A
- Solubility in water : 300g/liter
- Method :  
UFL :



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## 10. STABILITY AND REACTIVITY

- Reactivity : Stable under normal conditions.
- Chemical stability : Stable under normal conditions.
- Conditions to avoid : Moisture, heat, flames, and sparks. Avoid temperatures >60° C and direct sunlight.
- Incompatibility : Strong acids  
Strong reducing agents
- Hazardous decomposition products : Carbon monoxide.  
Carbon dioxide (CO<sub>2</sub>)
- Hazardous polymerization : Will not occur

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## 11. TOXICOLOGICAL INFORMATION

- Likely Routes of Exposure : Skin, Eyes
- Acute data : LD50 Oral – Rat: >4000mg/kg  
(Calculated from components)
- Chronic/carcinogenicity/mutagenicity data : Not carcinogenic/mutagenic

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## 12. ECOLOGICAL INFORMATION

- Ecotoxicity : Toxicity to Fish – LC50 – Minnow: >3000mg/l, 96h  
(Calculated from components) Toxicity to Invertebrates – EC50 – Daphnia: >300mg/l, 48h
- Environmental fate : Does not bioaccumulate. The products of degradation are less toxic than the product itself.

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## 13. DISPOSAL CONSIDERATIONS

- Waste from residues / unused products: Contact supplier if guidance is required.
- Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

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## 14. TRANSPORTATION INFORMATION

- DOT shipping name : Not regulated for transport by US DOT
  - IATA shipping name : Not regulated for air transport by IATA
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## 15. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA) inventory status,8(b)	:	Included
TSCA export notification requirements, 12(b)	:	None
EPA SARA Title III Section 313 toxic chemicals above "de minimis" levels are	:	None
Proposition 65 listed substance(s) known to the state of California to cause	:	None
cancer	:	None
reproductive effects	:	None

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## 16. OTHER INFORMATION

The information provided in this (Material) Safety Data Sheet represents a compilation of data drawn directly from various sources available to us. LOGIC, Inc. makes no representation or guarantee as to the suitability of this information to a particular application of the substance covered in the (Material) Safety Data Sheet

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