



Safety Data Sheet

Version 3.201
Revision Date 3/15/2023

SDS Number 004
Print Date 3/15/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Sample Name: AmBrew Cleanser
Recommended use: Hard Surface Cleaner
Manufacturer/Supplier: LOGIC, Inc.
PO Box 1586
Midlothian, VA 23112
844-655-6442
Emergency Phone: 608-658-2866

Commented [1]: Most of the hazards come from the presence of the sodium metasilicate. Because it is relatively limited, I'm marking down the hazards.

Also, a second step in reviewing an SDS, which I didn't think to mention, is finding other products that are similar. Don't worry about that, though, I have a lot more knowledge of what kinds of formulated products are similar.

The idea is that others have done the testing to confirm how the impact of hazardous materials are mitigated via lower concentration.

2. HAZARDS IDENTIFICATION

GHS Classification : Eye Irritation - Category 2A H319

GHS Labeling Elements

GHS Pictograms :



GHS Signal Word : **Warning**
GHS Hazard Statements : **H319 - Causes serious eye damage**

GHS Precautionary Statements : - Avoid breathing dust/fume/gas/mist/vapors/spray
P264 – Wash exposed skin after handling
- Use only outdoors or in a well-ventilated area.
P280 – Wear eye protection, protective gloves
P330+P331 -- IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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
P363 -- Wash contaminated clothing before reuse.

Other Hazards not otherwise classified : Not applicable.

Commented [2]: Sodium Carbonate: 64.5%
Sodium Metasilicate (anhydrous): 20%
Sodium Tripolyphosphate: 15%
the rest <1%

Commented [3]: Most current SDS to base off of:
Sodium Carbonate:
<https://www.sigmaaldrich.com/US/en/sds/sial/s7795>
<https://pubchem.ncbi.nlm.nih.gov/compound/10340#datasheet=LCSS>
Sodium Metasilicate (anhydrous):
*This one says sodium silicate
<https://pubchem.ncbi.nlm.nih.gov/compound/23266>
Sodium Tripolyphosphate:
<https://pubchem.ncbi.nlm.nih.gov/compound/24455>



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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 %
Pentasodium Salt, Tripolyphosphoric Acid	7758-29-4	10 - 20 %

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 or shower for at least 15 minutes.
- Ingestion : Give water or milk. Do not induce vomiting. Seek medical attention.
- Inhalation : Move to fresh air, rest. Half-upright position. Artificial respiration may be needed. If signs/symptoms continue, get medical attention.

5. FIRE-FIGHTING MEASURES

- Fire and explosion hazards : No Data
- Extinguishing media : Water spray
Alcohol-resistant foam.
Carbon dioxide (CO₂).
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

6.

ACCIDE

NTAL 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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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 (CO₂)
Hazardous polymerization : Will not occur

11. TOXICOLOGICAL INFORMATION

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

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.

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.

14. TRANSPORTATION INFORMATION

DOT shipping name : Not regulated for transport by US DOT
IATA shipping name : Not regulated for air transport by IATA

15. REGULATORY INFORMATION

Toxic Substances Control Act (TSCA) inventory status,8(b) : Included
TSCA export notification requirements, 12(b) : None



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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 cancer	:	None
reproductive effects	:	None

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
