

Material Safety Data Sheet

Version 1.0
Date 03/17/2020

Print Date 03/17/2020

MSDS Number 024

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Exchilerator Wash
Synonym: Chiller and Brewery Wash

Recommended use: Hard Surface Cleaner

Manufacturer/Supplier: LOGIC, Inc.
PO Box 1586
Midlothian, VA 23112
844-655-6442

Distributor BruTools LLC

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**

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

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Other Hazards not otherwise classified : Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Concentration
Sodium Carbonate Peroxyhydrate	15630-89-4	10 - 20 %
Sodium Carbonate	497-19-8	40 - 60 %
Sodium Metasilicate	7647-14-5	20 - 30 %
Sodium Citrate	68-04-2	10 - 20 %
Tetrasodium Iminodisuccinic Acid	144538-83-0	5 - 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.
- Ingestion : Do not induce vomiting. Seek medical attention.
- Inhalation : Move to fresh air. If signs/symptoms continue, get medical attention.

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.

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.

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
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Flashpoint	:	NDA	Method	:
Flammable limits in air: LFL	:	NDA	UFL	:
Autoignition temperature	:	NDA		
% volatile	:	N/A		
Solubility in water	:	300g/liter		

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 ₂)
Hazardous polymerization	:	Will not occur

11. TOXICOLOGICAL INFORMATION

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

12. ECOLOGICAL INFORMATION

Ecotoxicity (Calculated from components)	:	Toxicity to Fish – LC50 – Minnow: >3000mg/l, 96h 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.

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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

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

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. brUtools LLC .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
