

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-301-BULK
Product Name: Brew Terge
Company Name: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Phone Number: +1 (568)695-1232
Emergency Contact: CHEMTREC +1 (800)424-9300

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 1C
Oxidizing Solids, Category 2



GHS Signal Word: **Danger**

GHS Hazard Phrases: H272 - May intensify fire; oxidizer.
 H302 - Harmful if swallowed.
 H314 - Causes severe skin burns and eye damage.

GHS Precaution Phrases: P102 - Keep out of reach of children.
 P103 - Read label before use.
 P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 P220 - Keep away from combustible materials.
 P221 - Take any precaution to avoid mixing with combustibles/...
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases: P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P315 - Get immediate medical advice/attention.
 P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.
 P315 - Get immediate medical advice/attention.
 P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P342 - If experiencing respiratory symptoms: P313 - Get medical advice/attention.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.
 P315 - Get immediate medical advice/attention.

GHS Storage and Disposal Phrases: P405 - Store locked up.
 P501 - Dispose of contents/container in accordance to local, state and federal regulations.

Inhalation: May be harmful if inhaled.

Skin Contact: Causes skin irritation. May be harmful if absorbed through the skin.

Eye Contact: Causes eye irritation. May cause conjunctivitis. May cause permanent corneal opacification.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed. May cause nausea, vomiting, and diarrhea, possibly with blood.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	<20.0 %
6834-92-0	Sodium metasilicate	<25.0 %
7758-29-4	STPP	<30.0 %

4. FIRST AID MEASURES

Emergency and First Aid

Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. Get medical aid.
In Case of Skin Contact:	Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
In Case of Eye Contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Wash mouth out with water. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	NA Method Used: Estimate
Explosive Limits:	LEL: N/A UEL: N/A
Autoignition Pt:	NA
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or chemical foam. Do NOT get water inside containers. Contact professional fire-fighters immediately.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Strong oxidizer. Contact with other material may cause fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a self-contained breathing apparatus (SCBA) to prevent contact with thermal decomposition products. Use water with caution and in flooding amounts. Some oxidizers may react explosively with hydrocarbons(fuel). May accelerate burning if involved in a fire. Containers may explode when heated.
Flammable Properties and Hazards:	No data available.
Hazardous Combustion Products:	No data available.

6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Avoid release to the environment. Observe all federal, state, and local environmental regulations.
Steps To Be Taken In Case Material Is Released Or Spilled:	Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Remove all sources of ignition. Provide ventilation. Do not get water inside containers. Do not use combustible materials such as paper towels to clean up spill.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid breathing dust, mist, or vapor. Keep container tightly closed. Avoid contact with clothing and other combustible materials. Do not get on skin or in eyes. Avoid ingestion and inhalation.
Precautions To Be Taken in Storing:	Keep away from sources of ignition. Do not store near combustible materials. Store in a tightly closed container. Store protected from moisture.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	No data.	No data.	No data.
6834-92-0	Sodium metasilicate	No data.	No data.	No data.
7758-29-4	STPP	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure.
Other Protective Clothing:	Wear a chemical apron.
Engineering Controls (Ventilation etc.):	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [] Liquid [X] Solid
Appearance and Odor: White.
 Free flowing powder.
pH: @10%sol 11.3 - 12.3
Melting Point: NA
Boiling Point: NA
Flash Pt: NA Method Used: Estimate
Evaporation Rate: NA
Flammability (solid, gas): No data available.
Explosive Limits: LEL: N/A UEL: N/A
Vapor Pressure (vs. Air or mm Hg): NA
Vapor Density (vs. Air = 1): NA
Specific Gravity (Water = 1): No data.
Solubility in Water: 100%
Octanol/Water Partition Coefficient: No data.
Autoignition Pt: NA
Decomposition Temperature: NA
Viscosity: NA

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: ignition sources, dust generation, Excess heat, combustible materials.
Incompatibility - Materials To Avoid: Reducing agents, Organic materials, Finely powdered metals, Acids, Bases.
Hazardous Decomposition or Byproducts: Carbon monoxide, oxides of sodium.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Epidemiology: No information found.
 Teratogenicity: No information available.
 Reproductive Effects: No information found.
 Mutagenicity: No information found.
 Neurotoxicity: No information found.

Irritation or Corrosion: Other Studies: CAS# 6834-92-0:
 Acute toxicity, LD50, Oral, Rat, 1000 mg/kg

Other Studies: Phosphate CAS# 7758-29-4:
 Acute toxicity, LD50, Oral, Rat, 3120 mg/kg

Carcinogenicity/Other Information: 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: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

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.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Carcinogenicity:		NTP? No	IARC Monographs? No	OSHA Regulated? No		
CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA	
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	n.a.	n.a.	n.a.	n.a.	
6834-92-0	Sodium metasilicate	n.a.	n.a.	n.a.	n.a.	
7758-29-4	STPP	n.a.	n.a.	n.a.	n.a.	

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
 Physical: No information available.

CAS# 6834-92-0: Sodium metasilicate: LC50, Zebra Danio (Danio rerio), 210.0 MG\L, 96 H.

Persistence and Degradability: Biodegradability: Not applicable

Bioaccumulative Potential: Not bioaccumulative

Mobility in Soil: Low potential for absorption in soil

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Oxidizing solid, corrosive, n.o.s. (Sodium Percarbonate, Sodium Metasilicate)

DOT Hazard Class: 5.1 (8) OXIDIZER, CORROSIVE

UN/NA Number: UN3085 **Packing Group:** III



15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	No	No	No
6834-92-0	Sodium metasilicate	No	No	No
7758-29-4	STPP	No	Yes 5000 LB	No

CAS # Hazardous Components (Chemical Name)

Other US EPA or State Lists

15630-89-4	Disodium carbonate, compound with hydrogen peroxide (2:3)	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
6834-92-0	Sodium metasilicate	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
7758-29-4	STPP	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: No; PA HSL: Yes - E

16. OTHER INFORMATION

Revision Date: 08/31/2017

Additional Information About No data available.

This Product:

Company Policy or Disclaimer: While Morgan-Gallacher believes the statements set forth herein are accurate as of the date hereof, Morgan-Gallacher makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.