B-Brite #2

Heavy-Duty Caustic Detergent

B-Brite #2 is a high-caustic, low-foaming powder useful in several applications including HTST units, smokehouses, ovens, ferrous metal equipment and as a bottle & jug wash. Methods of application include soak, CIP, spray washing and steam cleaning. B-Brite #2 works exceptionally well at saponifying and emulsifying oils and fatty soils typically found in all areas of meat processing plants and restaurants including equipment, floors, walls and utensils. This product can also be used to remove petroleum oil and inorganic soils. B-Brite #2 contains a proprietary blend of low-foaming wetting agents, complex phosphates, caustic and water conditioning agents. B-Brite #2 is effective in cold water.

- Low Foam
- Removes Heavy Oils, Carbon, Grease & Fat
- USDA & Kosher Approved
- Caustic Detergent
- Effective in Cold & Hard Water
- Easy Rinsing

Usage Directions: Dilute B-Brite #2 in a separate container in accordance with Dilution Guidelines chart. For best results, dilute with 140° F water. Rinse surface to be cleaned to remove any loose soils. Apply B-Brite #2 solution to entire surface with sprayer, sponge, brush, or CIP system. For best results start at the bottom of the surface and work up to the top. Allow solution to penetrate caked on soils. Some scrubbing may be necessary to remove all soils. Rinse surface from top to bottom with fresh water. Flood food contact surfaces with MG 4-Quat Fifth-Generation Quaternary Sanitizer.

Safety & Hazards

Wear Protective Eye Glasses, Chemical-Resistant Gloves and Dust/Mist Mask While Using B-Brite #2

Consult SDS for Further Safety Precautions

DOT Shipping Name: UN 1823, Sodium Hydroxide, Solid, Mixture, 8, PG II

B-Brite #2
Dilution Guidelines

Usage	Dilution
CIP, Jug & Bottle Wash	½-2 Oz / Gallon @ 160°F
Fryers	2-4 Oz / Gallon @ 180°F
Soak & Hot Tank	6-8 Oz / Gallon @ 180°F

Titration Kit:

MRTK3000-Z, High-Alkalinity / Caustic Titration. 1 Drop = 0.128 oz per gallon

Technical Information:

Appearance:	Off-White Powder
Odor:	None
pH:	>12
Foam:	Low Foam

Associated Products:

MG 4-Quat, 5th Generation Quaternary Sanitizer & Disinfectant

Multi-Chlor, 12.5% Sodium Hypochlorite Sanitizer

Dissolve Foaming Acid Cleaner, High-Foaming Phosphoric & Nitric Acid Detergent

Special Acid Cleaner, Heavy-Duty Acid Detergent and Descaler

Warning: Do Not Mix With Acidic Products. May Damage Painted Surfaces, Aluminum, Brass, Copper, Galvanized And/Or Other Soft Metals.

Products Manufactured By:

Product Selection and General Use Chart

B-Brite #2

General Use: Heavy-Duty Caustic Detergent
B-Brite #2 is a high-caustic, low-foaming powder useful in several applications including HTST units, smokehouses, ovens, ferrous metal equipment and as a bottle & jug wash. Methods of application include soak, CIP, spray washing and steam cleaning. B-Brite #2 works exceptionally well at saponifying and emulsifying oils and fatty soils typically found in all areas of meat processing plants and restaurants including equipment, floors, walls and utensils. This product can also be used to remove petroleum oil and inorganic soils. B-Brite #2 contains a proprietary blend of low-foaming wetting agents, complex phosphates, caustic and water conditioning agents. B-Brite #2 is effective in cold water.

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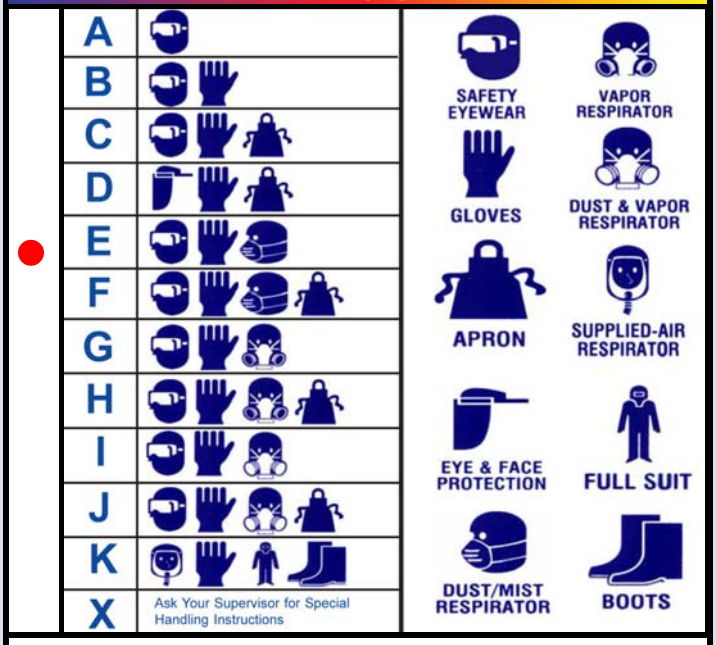
Titration Kit:
MRTK3000-Z, High-Alkalinity / Caustic Titration. 1 Drop = 0.128 oz per gallon

Safety & Hazards

Danger: Keep out of reach of children. Read label before use. Do not get in eyes, on skin, or on clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling. Take any precaution to avoid mixing with water and acid products. Causes severe skin burns and eye damage.Harmful to aquatic life.
May be corrosive to metals. Harmful if swallowed.

Product Class: Caustic

Protective Equipment Guide



Wear Protective Eye Glasses, Chemical-Resistant Gloves and Dust/Mist Mask While Using B-Brite #2

Attention: Do Not Mix With Acidic Products. May Damage Painted Surfaces, Aluminum, Brass, Copper, Galvanized And/Or Other Soft Metals.

Products Manufactured By:

Morgan Gallacher, Inc.
SUPERIOR CLEANING PRODUCTS
8707 Millergrove Drive • Santa Fe Springs, CA 90670
(562) 695-1232 • FAX: (562) 699-8953

Morgan · Gallacher, Inc.
SUPERIOR CLEANING PRODUCTS

8707 Millergrove Drive • Santa Fe Springs, California 90670
(562) 695-1232 • FAX: (562) 699-8953

Letter of Guarantee

B-Brite #2

Morgan-Gallacher, Inc. guarantees the product B-Brite #2 complies with the requirements set forth by the USDA FSIS for Nonfood Compounds Category Code A1: Cleaning Product - General Use. The description of Category Code A1 Cleaning Product - General Use is as follows:

> These products are used for general cleaning on all surfaces, or for use with steam or mechanical cleaning devices in all departments. They are typically neutral or mildly alkaline products consisting of any combination of soaps, detergents, wetting agents, emulsifiers, solubilizers, and common inorganic builders.

The following apply to this product as well as all other cleaning products under Category Code A1:
1. All food products and packaging materials shall be removed or carefully protected prior to usage;
2. A potable water rinse is required after use;
3. When used according to manufacturer's instructions, cleaners shall not exhibit a noticeable odor nor leave a visible residue;

B-Brite #2 is free from undesirable microorganisms and is guaranteed safe and adequate as Category Code: A1 Cleaning Product - General Use when used as directed. This product does not intentionally contain any of the following heavy metals: antimony, arsenic, cadmium, lead, mercury, or selenium. None of the ingredients in this product are considered to be carcinogens, mutagens, teratogens, mineral acids, or odorous unless otherwise specified.

This document serves as a continuing letter of assurance and satisfies the conditions of 21 CFR Section 110.35 and the USDA Sanitation Performance Standards Compliance Guide.

Sincerely,

Original Signed By:
Ida Mariam
VP Technology & Regulatory Affairs

January 21, 2016
Date

Morgan · Gallacher, Inc.
SUPERIOR CLEANING PRODUCTS

8707 Millergrove Drive • Santa Fe Springs, California 90670
(562) 695-1232 • FAX: (562) 699-8953

Letter of Guarantee

B-Brite #2

Morgan-Gallacher, Inc. guarantees the product B-Brite #2 complies with the requirements set forth by the USDA FSIS for Nonfood Compounds Category Code A2: Cleaning Product - Soak Tanks and Steam/Mechanical Cleaning. The description of Category Code A2 Cleaning Product - Soak Tanks and Steam/Mechanical Cleaning is as follows:

> These strongly alkaline products (containing in excess of 20 percent caustic soda or other ingredients with the equivalent causticity) may be acceptable for use in soak tanks or with steam or mechanical cleaning devices in any department.

The following apply to this product as well as all other cleaning products under Category Code A2:
1. All food products and packaging materials shall be removed or carefully protected prior to usage;
2. A potable water rinse is required after use;
3. When used according to manufacturer's instructions, cleaners shall not exhibit a noticeable odor nor leave a visible residue;

B-Brite #2 is free from undesirable microorganisms and is guaranteed safe and adequate as Category Code: A2 Cleaning Product - Soak Tanks and Steam/Mechanical Cleaning when used as directed. This product does not intentionally contain any of the following heavy metals: antimony, arsenic, cadmium, lead, mercury, or selenium. None of the ingredients in this product are considered to be carcinogens, mutagens, teratogens, mineral acids, or odorous unless otherwise specified.

This document serves as a continuing letter of assurance and satisfies the conditions of 21 CFR Section 110.35 and the USDA Sanitation Performance Standards Compliance Guide.

Sincerely,

Original Signed By:
Ida Mariam
VP Technology & Regulatory Affairs

January 21, 2015
Date

Morgan Gallacher, Inc.
SUPERIOR CLEANING PRODUCTS

8707 Millergrove Drive • Santa Fe Springs, California 90670
(562) 695-1232 • FAX: (562) 699-8953

Concentration Verification Procedure

B-Brite #2

Procedure No: Caus1

Procedure Name: High-Alkalinity / Caustic Titration

Test Kit No: MRTK3000-Z

Factor: 1 Drop = 0.128 oz per gallon

Purpose:
To measure concentration of high-alkaline, or caustic detergent

Required Components:
1) 10 mL Vial
2) Phenolphthalein Indicator (MRPH1605)
3) Hydrochloric Acid 7.7N (MRHA6207)

Procedure
1) Rinse vial 3 times with solution to be tested.
2) Fill vial to the 10 mL mark with sample.
3) Add 3 drops of Phenolphthalein Indicator (MRPH1605) and swirl to mix. The sample should turn bright pink.
4) Add Hydrochloric Acid 7.7N (MRHA6207) drop-wise while swirling until the sample returns to its original color. Record the number of drops.
5) Multiply the number of drops by the factor to obtain amount of product.

Morgan Gallacher, Inc.
SUPERIOR CLEANING PRODUCTS

8707 Millergrove Drive ▪ Santa Fe Springs, California 90670
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Concentration Verification Log Sheet

B-Brite #2

Procedure No: Caus1

Procedure Name: High-Alkalinity / Caustic Titration

Test Kit No: MRTK3000-Z

Factor: 1 Drop = 0.128 oz per gallon

Date & Time Sampled	Tested By	Sample Location	Result	Corrective Action Required (Yes/No)

B-Brite #2

Heavy-Duty Caustic Detergent

- **Low Foam**
- **Removes Heavy Oils, Carbon, Grease & Fat**
- **USDA & Kosher Approved**
- **Caustic Detergent**
- **Effective in Cold & Hard Water**
- **Easy Rinsing**

B-Brite #2 is a high-caustic, low-foaming powder useful in several applications including HTST units, smokehouses, ovens, ferrous metal equipment and as a bottle & jug wash. Methods of application include soak, CIP, spray washing and steam cleaning. B-Brite #2 works exceptionally well at saponifying and emulsifying oils and fatty soils typically found in all areas of meat processing plants and restaurants including equipment, floors, walls and utensils. This product can also be used to remove petroleum oil and inorganic soils. B-Brite #2 contains a proprietary blend of low-foaming wetting agents, complex phosphates, caustic and water conditioning agents. B-Brite #2 is effective in cold water.

Net Contents:

Lot No.:

DOT Shipping Name: UN 1823, Sodium Hydroxide, Solid, Mixture, 8, PG II

Usage Directions: Dilute B-Brite #2 in a separate container in accordance with Dilution Guidelines chart. For best results, dilute with 140° F water. Rinse surface to be cleaned to remove any loose soils. Apply B-Brite #2 solution to entire surface with sprayer, sponge, brush, or CIP system. For best results start at the bottom of the surface and work up to the top. Allow solution to penetrate caked on soils. Some scrubbing may be necessary to remove all soils. Rinse surface from top to bottom with fresh water. Flood food contact surfaces with MG 4-Quat Fifth-Generation Quaternary Sanitizer.

Dilution Guidelines	
Usage	**Dilution**
CIP, Jug & Bottle Wash	½-2 Oz / Gallon @ 160°F
Fryers	2-4 Oz / Gallon @ 180°F
Soak & Hot Tank	6-8 Oz / Gallon @ 180°F

These Guidelines Serve as Recommended Starting Points For Diluting This Product Only. The Dilution Required For Your Task May Vary. Contact Time, Temperature, Soil Load, and Other Factors Will Determine the Actual Dilution Required. Consult Your Morgan-Gallacher, Inc. Representative for More Specific Dilution Guidelines.

Do Not Mix With Acidic Products. May Damage Painted Surfaces, Aluminum, Brass, Copper, Galvanized And/Or Other Soft Metals.

Empty Container Storage & Handling

Ensure Compliance with Local, State & Federal Regulations in Disposing of Container, Residual Contents and Rinsings. Drum Containers Must Be Completely Drained, Properly Closed and Promptly Returned to a Drum Reconditioner for Commercial Cleaning.

This Product Is Intended For Industrial and Institutional Use Only
KEEP OUT OF REACH OF CHILDREN

Safety & Hazards

Wear Protective Eye Glasses, Chemical-Resistant Gloves and Dust/Mist Mask While Using B-Brite #2

Danger

#Error

GHS Response Phrases

IF ON SKIN (OR HAIR)	Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes. Get immediate medical advice/attention. Wash contaminated clothing before reuse.
IF IN EYES	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
IF INHALED	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
IF SWALLOWED	Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.

Consult SDS for Further Safety Precautions

Products Manufactured By:
Morgan Gallacher, Inc.
SUPERIOR CLEANING PRODUCTS
8707 Millergrove Drive · Santa Fe Springs · CA 90670
(562) 695-1232 · FAX: (562) 699-8953
Made in the USA

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-027-BULK

Product Name: B Brite #2

Company Name: Morgan-Gallacher, Inc.
8707 Millergrove Drive
Santa Fe Springs, CA 90670

Phone Number: +1 (562)695-1232

Emergency Contact: CHEMTREC

+1 (800)424-9300

2. HAZARDS IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2A
Skin Corrosion/Irritation, Category 1A
Aquatic Toxicity (Acute), Category 3
Corrosive To Metals, Category 1
Acute Toxicity: Oral, Category 4

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H314 - Causes severe skin burns and eye damage.
H402 - Harmful to aquatic life.
H290 - May be corrosive to metals.
H302 - Harmful if swallowed.

GHS Precaution Phrases:
P102 - Keep out of reach of children.
P103 - Read label before use.
P262 - Do not get in eyes, on skin, or on clothing.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P264 - Wash hands thoroughly after handling.
Take any precaution to avoid mixing with Water and Acid Products

GHS Response Phrases:
P305 - IF IN EYES: P351 - Rinse cautiously with water for 15 minutes. P338 - Remove contact lenses, if present and easy to do. Continue rinsing.
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. P363 - Wash contaminated clothing before reuse.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
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.

GHS Storage and Disposal Phrases:
P405 - Store locked up.
P501 - Dispose of contents/container in accordance to local, state and federal regulations.
P406 - Store in corrosive resistant/... container with a resistant inner liner.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic):

Inhalation: Harmful if inhaled. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma.

Skin Contact: Harmful if absorbed through skin. Causes skin burns.

Eye Contact: Causes eye burns. May cause chemical conjunctivitis and corneal damage.

Ingestion: Causes gastrointestinal tract burns. Causes severe pain, nausea, vomiting, diarrhea, and shock. May cause corrosion and permanent tissue destruction of the esophagus and digestive tract.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide	<90.0 %
7758-16-9	Disodium dihydrogenpyrophosphate	< 5.0 %
527-07-1	Sodium Gluconate	<10.0 %

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. Get medical aid immediately. 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. Get medical aid immediately.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth 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

Explosive Limits: LEL: N.A. UEL: N.A.

Autoignition Pt: NA

Suitable Extinguishing Media: Substance is noncombustible; use agent most appropriate to extinguish surrounding fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam. Do NOT get water inside containers.

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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Use water with caution and in flooding amounts.

Flammable Properties and Hazards: Contact with metals may evolve flammable hydrogen gas. corrosive vapors, toxic fumes, may be formed during burning.

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: Observe all federal, state, and local environmental regulations.
Do not let product enter drains, sewers, watersheds or water systems.

Steps To Be Taken In Case Material Is Released Or Spilled: Sweep up, then place into a suitable container for disposal. Avoid contact with eyes, skin, and clothing. Avoid generating dusty conditions. Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Minimize dust generation and accumulation. Do not ingest or inhale. Avoid contact with eyes, skin, and clothing. Use with adequate ventilation. Wash thoroughly after handling. Do not allow water to get into the container because of violent reaction. Keep container tightly closed.

Precautions To Be Taken in Storing: Store in a cool, dry place. Store in a tightly closed container. Keep away from acids. Store in corrosive resistant/... container with a resistant inner liner. Store away from incompatible material.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.
7758-16-9	Disodium dihydrogenpyrophosphate	No data.	No data.	No data.
527-07-1	Sodium Gluconate	No data.	No data.	No data.

Respiratory Equipment (Specify Type): A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

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. Rubber or neoprene gloves.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[ ] Gas [ ] Liquid [X] Solid
Appearance and Odor:	White. Free flowing granules.
pH:	NA
Melting Point:	No data.
Boiling Point:	No data.
Flash Pt:	NA
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):	NA
Density:	NA
Solubility in Water:	NA
Saturated Vapor Concentration:	NA
Percent Volatile:	No data.
Autoignition Pt:	NA
Viscosity:	NA

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	Incompatible materials, dust generation, Excess heat, Exposure to moist air or water, Moisture, contact with water.
Incompatibility - Materials To Avoid:	Acids, Strong oxidizing agents. Contact of this product with many "active" metals such as aluminum, tin, copper, zinc, and most alloys can cause formation of flammable hydrogen gas.
Hazardous Decomposition or Byproducts:	Carbon monoxide, Carbon dioxide, oxides of phosphorus, Toxic fumes of sodium oxide.
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: Teratogenic effects have occurred in experimental animals.
Reproductive Effects: No information found.
Mutagenicity: No information found.
Neurotoxicity: No information found.

CAS# 527-07-1: Sodium Gluconate: Acute toxicity, LDLO, Intravenous, Species: Rabbit, 7630. MG/KG. Result: Paternal Effects: Testes, epididymis, sperm duct.

Irritation or Corrosion:

Other Studies: CAS# 1310-73-2
Acute toxicity, LD50, Oral, Mouse, 5800mg/kg.

Other Studies: CAS# 1310-73-2
Standard Draize Test, Eyes, Species: Rabbit, 400.0 ug

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

12. ECOLOGICAL INFORMATION

General Ecological Information:

Environmental: No information available.
Physical: No information available.

Results of PBT and vPvB assessment:

Other Studies: CAS# 1310-73-2:
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), adult(s), 33000 - 100000 ug/L, 48H, Mortality
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000 ug/L, 96H, Mortality
LC50, Cockle (Cerastoderma edule), adult(s) 330000 - 1000000 ug/L, 48H, Mortality
LC50, Guppy (Poecilia reticulata)}, young organism(s), 196.0 mg/L, 96H, Mortality

Persistence and Degradability:

No data available.

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.

14. TRANSPORT INFORMATION

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Sodium hydroxide, solid. mixture.
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN1823 **Packing Group:** II

15. REGULATORY INFORMATION

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

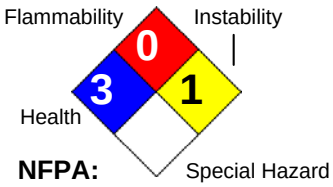
CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
7758-16-9	Disodium dihydrogenpyrophosphate	No	No	No
527-07-1	Sodium Gluconate	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-73-2	Sodium hydroxide	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: Yes - 1706; NY Part 597: Yes; PA HSL: Yes - E
7758-16-9	Disodium dihydrogenpyrophosphate	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
527-07-1	Sodium Gluconate	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

16. OTHER INFORMATION

Revision Date: 05/07/2015

Hazard Rating System:



NFPA:

Additional Information About This Product: No data available.

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.

1. IDENTIFICACIÓN DEL PRODUCTO QUÍMICO Y LA EMPRESA

Código del Producto: MORGAN-027-BULK

Nombre del Producto: B Brite #2

Nombre de la Empresa: Morgan-Gallacher, Inc.
8707 Millergrove Drive
Santa Fe Springs, CA 90670

Número De Teléfono:
+1 (562)695-1232

Contacto De la Emergencia: CHEMTREC

+1 (800)424-9300

2. IDENTIFICACIÓN DE LOS RIESGOS

Lesiones oculares graves/irritación ocular, Categoría 2A
Corrosión/irritación cutáneas, Categoría 1A
Toxicidad aguda para el medio ambiente acuático, Categoría 3
Sustancias y mezclas corrosivas para los metales, Categoría 1
Toxicidad aguda por ingestión, Categoría 4

SGA Palabra de advertencia: **Peligro**

Frases del peligro de SGA:
H314 - Provoca graves quemaduras en la piel y lesiones oculares.
H402 - Nocivo para los organismos acuáticos.
H290 - Puede ser corrosiva para los metales.
H302 - Dañino si es deglutido.

Frases de la precaución de SGA:
P102 - Mantener fuera del alcance de los niños.
P103 - Leer la etiqueta antes del uso.
P262 - Evitar todo contacto con los ojos, la piel o la ropa.
P260 - No respirar polvos/humos/gases/nieblas/vapores/aerosoles.
P280 - Usar guantes /ropa protectora/equipo de protección para los ojos/la cara.
P264 - Lavarse cuidadosamente las manos después de la manipulación.
Tomar todas las precauciones necesarias para no mezclar con materias ... ... otras materias incompatibles especificadas por el fabricante /proveedor o la autoridad competente.

Frases de la respuesta de SGA:
P305 - EN CASO DE CONTACTO CON LOS OJOS: P351 - Lavar con agua cuidadosamente durante 15 minutos. P338 - Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.
P315 - Buscar asistencia médica immediata.
P303+361+353 - EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente la ropa contaminada. Lavar la piel con agua/ducharse.
P315 - Buscar asistencia médica immediata. P363 - Lavar/descontaminar la ropa contaminada antes de volverla a usar.
P301+330+331 - EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito.
P315 - Buscar asistencia médica immediata.
P304+340 - EN CASO DE INHALACIÓN: Transportar a la víctima al aire libre y mantenerla en una posición que facilite la respiración.
P342 - En caso de síntomas respiratorios: P313 - Consultar a un médico.

Frases del almacenaje y de la disposición de SGA:
P405 - Guardar bajo llave.
P501 - Eliminar el contenido/recipiente ...
P406 - Almacenar en un recipiente resistente a la corrosión/recipiente en ... con forro interior resistente a la corrosión.

Estado regulador del OSHA: Este material está clasificado como peligroso bajo las regulaciones de la OSHA.

Potenciales efectos en la salud (Agudo o Crónico):

Inhalación: Dañoso si está inhalado. Causa la irritación severa de las vías respiratorias superiores con toser, las quemaduras, dificultad de respiración, y la coma posible.

Contacto con la piel: Dañino si es absorbido a través de la piel. Causa quemaduras de la piel.

Contacto con los ojos: Provoca quemaduras en los ojos. Podía causar conjuntivitis química y daño córneo.

Ingestión: Quemaduras del aparato gastrointestinal de las causas. Causa dolor severo, náusea, vomitar, diarrea, y choque. Puede causar la destrucción del tejido a la corrosión y permanente del tracto digestivo y del esófago.

3. COMPOSICIÓN/ INFORMACIÓN SOBRE LOS COMPONENTES

Numeros	Componentes peligrosos [química nombre]	Concentración
1310-73-2	El hidróxido de sodio	<90.0 %
7758-16-9	Disodium dihydrogenpyrophosphate	< 5.0 %
527-07-1	gluconato de sodio	<10.0 %

4. MEDIDAS EN PRIMEROS AUXILIOS

Procedimientos de Emergencia y Primeros Auxilios:

En caso de inhalación: Quite de la exposición y del movimiento al aire fresco inmediatamente. Consiga la ayuda médica.

En caso de contacto con la piel: Limpie la piel con un chorro de agua con el un montón de 15 minutos del agua por lo menos mientras que quita la ropa contaminada y los zapatos. Consiga la ayuda médica inmediatamente. Lave la ropa antes de la reutilización.

En caso de contacto con los ojos: Ojos rasantes con el un montón de 15 minutos del agua por lo menos , de vez en cuando levantando los párpados superiores y más bajos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. Consiga la ayuda médica inmediatamente.

En caso de ingestión: NO provocar el vómito. Nunca debe administrarse nada por la boca a una persona inconsciente. Enjuague la boca con agua. Si la víctima está consciente y alerta, dé las copas de 2-4 de leche o de agua.

Informe para el médico: Convite sintomático y de apoyo. Mostrar esta ficha de seguridad al doctor que esté de servicio.

5. MEDIDAS DE LUCHA CONTRA INCENDIOS

Punto de encendido: NA

Límites de explosión: LEI: N.A. LES: N.A.

Punto de Auto-Ignición: NA

Medios Que extinguen Convenientes: La sustancia es no combustible; utilice el agente más apropiado extinguir el fuego circundante. Utilice el aerosol de agua, el producto químico seco, el dióxido de carbono, o la espuma apropiada. No consiga el agua dentro de los envases.

Instrucciones para combatir el fuego: Como en cualquie fuego, use un aparato respiratorio autónomo en presión-exigen, MSHA/NIOSH (aprobado o equivalente), y engranaje protector lleno. Durante un fuego, la irritación y los gases altamente tóxicos se pueden generar por la descomposición termal o la combustión. Utilice el aerosol de agua para mantener los envases fuego-expuestos frescos. Utilice el agua con la precaución y en cantidades de la inundación.

Propiedades y riesgos de El contacto con metales puede despedir hidr¢geno gaseoso inflamable. Vapores

materiales inflamables: corrosivos, Los gases tóxicos, se pueden formar durante la combustión.

No disponible

6. MEDIDAS CONTRA FUGAS ACCIDENTALES

Precauciones protectoras, equipo protector y procedimientos de emergencia: Use el equipo de protección personal adecuado que se indica en la Sección 8.

Precauciones ambientales: Observar todos los reglamentos estatales y locales sobre la protección del medio ambiente.
No dejar que el producto penetre en los desagües, alcantarillas, cuencas o sistemas hídricos.

Pasos a ser tomados en cuenta en caso de que material se fugue o derrame: Barra, después coloque en un envase conveniente para la disposición. Evitar el contacto con los ojos, la piel o la ropa. Evite generar condiciones polvorientas. Asegúrese una ventilación apropiada.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precausiones a ser tomadas en la manipulación: Reduzca al mínimo la generación y la acumulación del polvo. No injiera ni inhale. Evitar el contacto con los ojos, la piel o la ropa. Utilice con la ventilación adecuada. Lavarse cuidadosamente después de la manipulación. No permita que el agua consiga en el envase debido a la reacción violenta. Mantenga el envase cerrado firmemente.

Precausiones para ser tomadas en almacenaje: Almacenar en lugar fresco y seco. Almacén en un firmemente de contenedor cerrado. Guarde lejos de los ácidos. Almacenar en un recipiente resistente a la corrosión/recipiente en ... con forro interior resistente a la corrosión. Almacenar lejos de material incompatible.

8. CONTROL DE EXPOSICIÓN / PROTECCIÓN PERSONAL

Numeros	Nombre Químico Parcial	OSHA TWA	ACGIH TWA	Otra Limites
1310-73-2	El hidróxido de sodio	PEL: 2 mg/m3	CEIL: 2 mg/m3	No información
7758-16-9	Disodium dihydrogenpyrophosphate	No información	No información	No información
527-07-1	gluconato de sodio	No información	No información	No información

Equipo respiratorio (especificar el tipo): Un programa de la protección respiratoria que resuelve OSHA 29 CFR 1910.134 y los requisitos del ANSI Z88.2 o EN del estándar europeo 149 debe ser seguido siempre que el lugar de trabajo condicione uso del respirador de la autorización.

Protección ocular: Use las lentes protectoras apropiadas o los anteojos de la seguridad de los productos químicos según lo descrito por las regulaciones de la protección del ojo y de la cara del OSHA en 29 CFR 1910.133 o el estándar europeo EN166.

Guantes protectores: Use los guantes protectores apropiados para prevenir la exposición de piel. Guantes de goma o neopreno.

Otras ropas protectoras: Use la ropa protectora apropiada para prevenir la exposición de piel.

Medidas de ingeniería [ventilación, etc.]: Las instalaciones que almacenan o que utilizan este material se deben equipar de una facilidad del colirio y de una ducha de la seguridad. Utilice la ventilación de extractor general o local adecuada para guardar concentraciones aerotransportadas debajo de los límites de exposición permitidos.

Prácticas de trabajo / higiene / mantenimiento: Manipular con las precauciones de higiene industrial adecuadas, y respetar las prácticas de seguridad.

9. PROPIEDADES FÍSICAS Y QUÍMICAS

Estado físico:	[ ] Gas [ ] Líquido [X] Solido
Aspecto y Olor:	Blanco. Gránulos de flujo libre.
pH:	NA
Punto de Fusión:	No información
Punto de Ebullición:	No información
Punto de encendido:	NA
Indice de evaporación:	NA
Flammability (solid, gas):	No disponible
Límites de explosión:	LEI: N.A. LES: N.A.
Presión de Vapor (vs. Aire o mm Hg):	NA
Densidad de Vapor (vs. Aire = 1):	NA
Gravedad Específica (Agua = 1):	NA
Densidad:	NA
Solubilidad en Agua:	NA
Concentración de Vapor Saturado:	NA
Volatibilidad:	No información
Punto de Auto-Ignición:	NA
Viscosidad:	NA

10. ESTABILIDAD Y REACTIVIDAD

Estabilidad:	Inestable [ ] Estable [X]
Condiciones para evitar - Inestabilidad:	Materiales incompatibles, saque el polvo de la generación, Exceso de calor, Exposición al aire o al agua húmedo, Humedad. contacto con agua.
Incompatibilidad - Materiales para evitar:	ácidos, Oxidante fuertes. El contacto de este producto con muchos metales "activos" como el aluminio, el estano, el cobre, el zinc, y la aleacion pueden causar la formación de gas hidrógeno inflamable.
Peligrosa descomposición o derivados del producto:	Monóxido de carbono, dióxido de carbono, Oxidos de fósforo, Humos tóxicos del óxido del sodio.
Posibilidad de reacciones peligrosas:	Sucederá [ ] No sucederá [X]
Condiciones para evitar - Reacciones Peligrosas:	No disponible

11. INFORMACIÓN TOXICOLÓGICA

Información Toxicológica:

Epidemiología: Ninguna información encontrada.
Teratogenicidad: Los efectos teratogénicos han ocurrido en animales de experimento.
Efectos reproductivos: Ninguna información encontrada.
Mutagenicidad: Ninguna información encontrada.
Neurotoxicidad: Ninguna información encontrada.

CAS# 527-07-1: gluconato de sodio: Toxicidad aguda, LDLO, Intravenoso, Especie: Conejo, 7630. MG/KG. Resultado: Efectos sobre el Aparato Reproductor: Testículos, epidídimo y espermiducto.

Irritación o la corrosión:

OOtros Estudios: CAS # 1310-73-2
Toxicidad aguda, DL50, oral, ratón, 5.800 mg/kg.

Otros Estudios: CAS # 1310-73-2
Prueba Draize estándar, Ojos, Especies: conejo, 400,0 ug.

Carcinogenicidad/Otras informaciones:

IARC: No se identifica ningún componente de este producto, que presente niveles mayores que o
el igual a 0,1% como cancerígeno o como carcinógeno potencial por la IARC.

ACGIH: No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la ACGIH.

NTP: En este producto no se identifica ningún componente, que presente niveles mayores que o iguales a 0.1%, como agente carcinógeno conocido o anticipado por el (NTP) Programa Nacional de Toxicología.

No se identifica ningún componente de este producto, que presente niveles mayores que o el igual a 0,1% como cancerígeno o como carcinógeno potencial por la (OSHA) Administración de Salud y Seguridad Ocupacional.

Carcinogenicidad:

NTP No IARC No Regulado por OSHA? No

12. INFORMACIÓN ECOLÓGICA

Información Ecológica:

Ambiental: Ninguna información disponible.
Comprobación: Ninguna información disponible.

Resultados de la valoración PBT y mPmB:

Otros Estudios: CAS # 1310-73-2:
CL50, Camarón Común, Camarón Sand (Crangon crangon), adulto (s), 33.000 a 100.000 g / L, 48H, Mortalidad
CL50, Mosquitofish Occidental (Gambusia affinis), adulto (s), 125000 ug / L, 96H, Mortalidad
CL50, Berberecho (Cerastoderma edule), adulto (s) 330000 a 1000000 ug / L, 48H, Mortalidad
CL50, Guppy (Poecilia reticulata)}, organismo joven (s), 196,0 mg / L, 96H, Mortalidad.

Persistencia y degradabilidad:

Sin datos disponibles.

13. CONSIDERACIONES RELACIONADAS A LA ELIMINACIÓN

Método de eliminación los desperdicios: Los generadores inútiles del producto químico deben determinar si un producto químico desechado está clasificado como desechos peligrosos. Las pautas de los E.E.U.U. EPA para la determinación de la clasificación se enumeran en 40 partes de CFR 261. Además, los generadores inútiles deben consultar el estado y regulaciones locales de los desechos peligrosos para asegurar la clasificación completa y exacta. Observar todos los reglamentos estatales y locales sobre la protección del medio ambiente.

14. INFORMACIÓN RELACIONADA AL TRANSPORTE

TRANSPORTE POR TIERRA (US DOT):

DOT Nombre propio del envío: Hidróxido de sodio , sólido. mezcla.

Clase De Peligro (DOT): 8 CORROSIVO

Número UN/NA: UN1823 **Grupo del embalaje:** II

15. INFORMACIÓN REGLAMENTARIA

Lista de la Ley de Reautorización y Enmiendas de Grandes Reservas(SARA) del 1986

Numeros CAS	Componentes peligrosos [química nombre]	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1310-73-2	El hidróxido de sodio	No	Sí 1000 LB	No
7758-16-9	Disodium dihydrogenpyrophosphate	No	No	No
527-07-1	gluconato de sodio	No	No	No

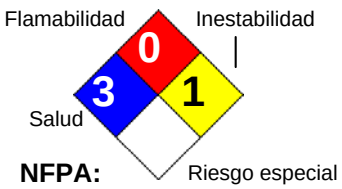
Numeros CAS	Componentes peligrosos [química nombre]	Otros E.E.U.U. EPA o listas del estado
1310-73-2	El hidróxido de sodio	TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Sí; MI CMR, Part 5: Part 5; NJ EHS: Sí - 1706; NY Part 597: Sí; PA HSL: Sí - E
7758-16-9	Disodium dihydrogenpyrophosphate	TSCA: Sí - 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
527-07-1	gluconato de sodio	TSCA: Sí - 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

16. OTRAS INFORMACIONES

Fecha de la revisión: 05/07/2015

Sistema de Estimación del Riesgo:

NFPA:



Información adicional acerca de este producto: No disponible

Política o negación de la compañía: Mientras Morgan-Gallacher cree las declaraciones que figuran en el presente documento son exactas a partir de la fecha del presente, Morgan-Gallacher ofrece ninguna garantía con respecto a la misma y se exime expresamente de toda

responsabilidad por relación a lo mencionado. Estos datos se brindan sólo para evaluación, investigación y verificación.