

BBK #3

Low-Foaming Caustic Detergent

BBK #3 is a high-alkaline, low-foaming powdered caustic detergent that is effective on protein, oils, greases and carbon. This product works exceptionally well as a CIP detergent in soy and dairy operations, or where protein soils are present. This product can also be used to clean fryers, ovens, HTST units and smokehouses.

- **High-Caustic Formulation**
- **For Cleaning Fryers, Ovens, HTST Units & CIP Operations**
- **Low-Foam Detergent**
- **Removes Grease, Oil & Carbon**

Usage Directions: Dilute BBK #3 in accordance with Dilution Guidelines chart. BBK #3 works best with hot water, but remains effective in cold. Apply BBK #3 solution on to dirty surface using a sprayer, sponge, brush. Dirty parts can be cleaned by dipping into a vat containing BBK #3. A small amount of Detergent Concentrate can be added if higher-foaming characteristics are desired. Allow sufficient time for BBK #3 to break down heavier soils. Rinse with fresh water and sanitize.

Safety & Hazards



Wear Protective Eye Glasses, Chemical-Resistant Gloves and Dust/Mist Mask While Using BBK #3

Consult SDS for Further Safety Precautions

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

Technical Information:

Appearance: Off-White Powder
Odor: None
pH: >13.0
Foam: Low Foam

Associated Products:

Special Acid Cleaner, Heavy-Duty Acid Detergent and Descaler FCC-3, Foaming Chlorinated Detergent With Caustic & Rinse Agents

Multi-Chlor, 12.5% Sodium Hypochlorite Sanitizer

MG 4-Quat, 5th Generation Quaternary Sanitizer & Disinfectant Detergent Concentrate, Heavy Duty Detergent & Foam Booster

BBK #3 Dilution Guidelines

Usage	Dilution
CIP & Bottle Washing	¼ - 4 oz per gallon @ 160°F
Ovens & Fryers	4 - 8 oz per gallon @ 180°F
HTST Units	1 - 2 oz per gallon @ 175°F

Titration Kit:

test255555, Sulfite Titration.

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

Products Manufactured By:



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

Product Selection and General Use Chart

BBK #3

General Use: Low-Foaming Caustic Detergent

BBK #3 is a high-alkaline, low-foaming powdered caustic detergent that is effective on protein, oils, greases and carbon. This product works exceptionally well as a CIP detergent in soy and dairy operations, or where protein soils are present. This product can also be used to clean fryers, ovens, HTST units and smokehouses.

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Dilution Guidelines

Usage	Dilution
CIP & Bottle Washing	¼ - 4 oz per gallon @ 160°F
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HTST Units	1 - 2 oz per gallon @ 175°F

Titration Kit:

test255555, Sulfite Titration.

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

A			
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
X	Ask Your Supervisor for Special Handling Instructions		

Wear Protective Eye Glasses, Chemical-Resistant Gloves and Dust/Mist Mask While Using BBK #3

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

Letter of Guarantee

BBK #3

Morgan-Gallacher, Inc. guarantees the product BBK #3 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;

BBK #3 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

Letter of Guarantee

BBK #3

Morgan-Gallacher, Inc. guarantees the product BBK #3 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;

BBK #3 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

Concentration Verification Procedure

BBK #3

Procedure No: test1

Procedure Name: Sulfite Titration

Test Kit No: test255555

Factor:

Purpose:

Required Components:

- 1) 25 mL Vial
- 2) Phenolphthalein Indicator Solution (MRPH1605)
- 3) Starch Acid Powder (MRST5205)
- 4) Sulfite Titrant Low (MRPI8056)
- 5) Sulfite Titrant High (MRPI8063)

Procedure

- 1) Rinse vial 3 times with solution to be tested.
- 2) Fill vial to the 5 mL mark with sample.
- 3) Add 2 drops of Complexing Agent (MRCO3300). Swirl to mix.
- 4) Add 3 drops of Phenolphthalein Indicator (MRPH1605). Swirl to mix. If the solution stays colorless, go to step 5. If the solution turns pink-red, add Sulfuric Acid 0.5N (MRSA1590) drop-wise while swirling until the sample turns colorless.
- 5) Add 2 drops of Toluidine Blue O Indicator (MRTB3800) and swirl to mix. The sample will turn blue.
- 6) Add QAC DT (MRQA3500) drop-wise while swirling until the sample color changes from blue to purple-pink. Record the number of drops.
- 7) Multiply the number of drops by factor to get ppm.

Concentration Verification Log Sheet

BBK #3

Procedure No: test1

Procedure Name: Sulfite Titration

Test Kit No: test255555

Factor:

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

BBK #3

Low-Foaming Caustic Detergent

- High-Caustic Formulation
- For Cleaning Fryers, Ovens, HTST Units & CIP Operations
- Low-Foam Detergent
- Removes Grease, Oil & Carbon

BBK #3 is a high-alkaline, low-foaming powdered caustic detergent that is effective on protein, oils, greases and carbon. This product works exceptionally well as a CIP detergent in soy and dairy operations, or where protein soils are present. This product can also be used to clean fryers, ovens, HTST units and smokehouses.

Net Contents:

Lot No.:

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

BBK #3 Low-Foaming Caustic Detergent

Usage Directions: Dilute BBK #3 in accordance with Dilution Guidelines chart. BBK #3 works best with hot water, but remains effective in cold. Apply BBK #3 solution on to dirty surface using a sprayer, sponge, brush. Dirty parts can be cleaned by dipping into a vat containing BBK #3. A small amount of Detergent Concentrate can be added if higher-foaming characteristics are desired. Allow sufficient time for BBK #3 to break down heavier soils. Rinse with fresh water and sanitize.

Dilution Guidelines	
Usage	Dilution
CIP & Bottle Washing	¼ - 4 oz per gallon @ 160°F
Ovens & Fryers	4 - 8 oz per gallon @ 180°F
HTST Units	1 - 2 oz per gallon @ 175°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

Product Class: Caustic

Safety & Hazards



Wear Protective Eye Glasses, Chemical-Resistant Gloves and Dust/Mist Mask While Using BBK #3

Danger

This product contains Sodium Hydroxide. Causes severe skin burns and eye damage. Harmful to aquatic life. May be corrosive to metals. Harmful if swallowed. 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.

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:



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

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-028-BULK
Product Name: BBK #3
Company Name: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Emergency Contact: CHEMTREC

Phone Number:
 +1 (562)695-1232
 +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: H319 - Causes serious eye irritation.
 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: P264 - Wash hands thoroughly after handling.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.
 P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
 P234 - Keep only in original container.
 P270 - Do not eat, drink or smoke when using this product.

GHS Response Phrases: P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. 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.
 P363 - Wash contaminated clothing before reuse.
 P315 - Get immediate medical advice/attention.
 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.
 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
497-19-8	Sodium carbonate	>15.0 %
NA	Phosphate	> 5.0 %
1310-73-2	Sodium hydroxide	<80.0 %

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: 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.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid breathing vapors, mist or gas.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
497-19-8	Sodium carbonate	No data.	No data.	No data.
NA	Phosphate	No data.	No data.	No data.
1310-73-2	Sodium hydroxide	PEL: 2 mg/m ³	CEIL: 2 mg/m ³	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.		
Melting Point:	No data.		
Boiling Point:	No data.		
Autoignition Pt:	NA		
Flash Pt:	NA		
Explosive Limits:	LEL: N.A.	UEL: N.A.	
Specific Gravity (Water = 1):	NA		
Density:	NA		
Vapor Pressure (vs. Air or mm Hg):	NA		
Vapor Density (vs. Air = 1):	NA		
Evaporation Rate:	NA		
Solubility in Water:	NA		
Saturated Vapor Concentration:	NA		
Viscosity:	NA		
pH:	NA		
Percent Volatile:	No data.		

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, metals, This product can react with chemically reactive metals, such as, aluminum, zinc, magnesium, copper, etc. Releases hydrogen gas which forms explosive mixture with air.	
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:	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides Contact of this product with many "active" metals such as aluminum, tin, copper, zinc, and most alloys can cause formation of flammable hydrogen gas.	

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.

Other Studies: Phosphate:
Acute toxicity, LD50, Oral, Rat, 3120 mg/kg

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

Other Studies: CAS# 497-19-8:
Acute toxicity, LD50, Oral, Rat, 4090 mg/kg
Other Studies: CAS# 497-19-8:
Standard Draize Test, Skin, Species: Rabbit, 500.0 mg, 24H
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24H

Other Studies: Phosphate:
Acute toxicity, LD50, Oral, Rat, 7400 mg/kg.

Carcinogenicity/Other Information: CAS# 497-19-8: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

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

Other Studies: CAS# 497-19-8:
LC50, Water Flea (Daphnia magna), 265,000 ug/L, 48H
LC50, Fathead Minnow (Pimephales promelas), 850,000 ug/L, 96H
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 740000 ug/L, 96H

Other Studies: Phosphate
LC50, Medaka, High-Eyes (Oryzias latipes), 590000 ug/L, 24H, 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)
497-19-8	Sodium carbonate	No	No	No
NA	Phosphate	No	No	No
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No

CAS # Hazardous Components (Chemical Name)

497-19-8	Sodium carbonate
NA	Phosphate
1310-73-2	Sodium hydroxide

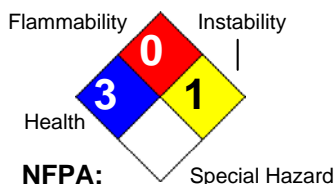
Other US EPA or State Lists

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
TSCA: No; 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
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

16. OTHER INFORMATION

Revision Date: 01/13/2015

Hazard Rating System:



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.

1. IDENTIFICACIÓN DEL PRODUCTO QUÍMICO Y LA EMPRESA

Código del Producto: MORGAN-028-BULK
Nombre del Producto: BBK #3
Nombre de la Empresa: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Contenido De la Emergencia: CHEMTREC

Número De Teléfono:
 +1 (562)695-1232
 +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: H319 - Provoca irritación ocular grave.
 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: P264 - Lavarse cuidadosamente las manos después de la manipulación.
 P280 - Usar guantes /ropa protectora/equipo de protección para los ojos/la cara.
 P260 - No respirar polvos/humos/gases/nieblas/vapores/aerosoles.
 P234 - Conservar únicamente en el recipiente original.
 P270 - No comer, beber o fumar cuando se manipula este producto.

Frases de la respuesta de SGA: P305+351+338 - EN CASO DE CONTACTO CON LOS OJOS: Lavar con agua cuidadosamente durante varios minutos. Quitar en su caso las lentes de contacto, si puede hacerse con facilidad. Proseguir con el lavado.
 P315 - Buscar asistencia médica inmediata.
 P303+361+353 - EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente la ropa contaminada. Lavar la piel con agua/ducharse.
 P363 - Lavar/descontaminar la ropa contaminada antes de volverla a usar.
 P315 - Buscar asistencia médica inmediata.
 P301+330+331 - EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito.
 P315 - Buscar asistencia médica inmediata.
 P304+340 - EN CASO DE INHALACIÓN: Transportar a la víctima al aire libre y mantenerla en una posición que facilite la respiración.
 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. Podría 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
497-19-8	El carbonato de sodio	>15.0 %
NA	Phosphate	> 5.0 %
1310-73-2	El hidróxido de sodio	<80.0 %

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 cualquier 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 materiales inflamables:** 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.
- Pasos a ser tomados en cuenta en caso de que material se fugue o derrame:** Absorba el derramamiento con el material inerte (e.g. vermiculita, arena o tierra), después colóquelo en envase conveniente. Evitar respirar los vapores, la neblina o el gas.

7. MANIPULACIÓN Y ALMACENAMIENTO

- Precauciones 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.
- Precauciones para ser tomadas en almacenaje:** Almacenar en lugar fresco y seco. Almacén en un firmemente de contenedor cerrado. Guarde lejos de los ácidos.

8. CONTROL DE EXPOSICIÓN / PROTECCIÓN PERSONAL

Numeros	Nombre Químico Parcial	OSHA TWA	ACGIH TWA	Otra Limites
497-19-8	El carbonato de sodio	No información	No información	No información
NA	Phosphate	No información	No información	No información
1310-73-2	El hidróxido de sodio	PEL: 2 mg/m3	CEIL: 2 mg/m3	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] Sólido
Aspecto y Olor:	Blanco. Gránulos de flujo libre.
Punto de Fusión:	No información
Punto de Ebullición:	No información
Punto de Auto-Ignición:	NA
Punto de encendido:	NA
Límites de explosión:	LEI: N.A. LES: N.A.
Gravedad Específica (Agua = 1):	NA
Densidad:	NA
Presión de Vapor (vs. Aire o mm Hg):	NA
Densidad de Vapor (vs. Aire = 1):	NA
Índice de evaporación:	NA
Solubilidad en Agua:	NA
Concentración de Vapor Saturado:	NA
Viscosidad:	NA
pH:	NA
Volatilidad:	No información

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, Agentes oxidantes fuertes, Metales. Peróxido de hidrógeno.
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:	Sucedirá [] No sucederá [X]
Condiciones para evitar - Reacciones Peligrosas:	Compuestos de amonio cuaternario, bencil-C12-16-alkyldimethyl, cloruros. El contacto de este producto con muchos metales "activos" como el aluminio, el estano, el cobre, el zinc, y la aleación pueden causar la formación de gas hidrógeno inflamable.

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.

Otros Estudios: Fosfato:

Toxicidad aguda, DL50, oral, rata, 3120 mg / kg.

Otros 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.

Otros Estudios: CAS # 497-19-8:

Toxicidad aguda, DL50, oral, rata, 4090 mg / kg. Otros Estudios: CAS # 497-19-8:

Prueba Draize estándar, Piel, Especies: conejo, 500,0 mg, 24H

Prueba Draize estándar, Ojos, Especies: conejo, 100,0 mg, 24H.

Otros Estudios: Fosfato:

Toxicidad aguda, DL50, oral, rata, 7400 mg / kg.

Carcinogenicidad/Otras informaciones: CAS# 497-19-8: No enumerado por el apoyo 65 del ACGIH, de la CIRC, del NTP, o del CA. CAS# 1310-73-2: No enumerado por el apoyo 65 del ACGIH, de la CIRC, del NTP, o del CA.

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.
Otros Estudios: CAS # 497-19-8:
CL50, pulga de agua (Daphnia magna), 265000 ug / L, 48H
CL50, Fathead Minnow (Pimephales promelas), 850000 ug / L, 96H
CL50, Mosquitofish Occidental (Gambusia affinis), adulto (s), 740000 ug / L, 96H.
Otros Estudios: Fosfato
CL50, Medaka, High-Eyes (Oryzias latipes), 590000 ug / L, 24H, 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)
497-19-8	El carbonato de sodio	No	No	No
NA	Phosphate	No	No	No
1310-73-2	El hidróxido de sodio	No	Sí 1000 LB	No

Numeros CAS	Componentes peligrosos [química nombre]	Otros E.E.U.U. EPA o listas del estado
497-19-8	El carbonato 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
NA	Phosphate	TSCA: No; 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
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

16. OTRAS INFORMACIONES

Fecha de la revisión: 01/13/2015

Sistema de Estimación del Riesgo:



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.