

# FCC-3 Special

Highly-Chlorinated Foaming Detergent With Caustic & Rinsing Agent

FCC-3 Special is a high-foaming blend of wetting agents, water conditioners, potassium hydroxide, bleach and rinsing additives. FCC-3 Special excels at saponifying and emulsifying fat, oil and grease found in all processing facilities dealing with meat, fish and poultry. Combined with its high levels of chlorine bleach, this product is also effective on sugars, carbohydrates, and eliminates foul odors and stains caused by microorganisms, mold & mildew and is recommended for vegetable, fruit & juice processors. In foam applications, this product can be diluted at 3-4 ounces per gallon providing over 1000ppm chlorine! It can also be applied via bucket and brush; or even used in COP applications. The added chlorine makes this a great product for destaining and deodorizing drains and for cleaning problematic floors.

FCC-3 Special is fortified with additives enhance your equipment's appearance and to be effective in hard water reducing the need for acid washing. FCC-3 Special is safe for use on hard surfaces capable of withstanding high caustic cleaning. Follow with MG 4-Quat sanitizer in compliance with the sanitizer use instructions.

- High Alkalinity
- High Chlorinated
- High & Stable Foam
- Rinses Easily

**Usage Directions:** Dilute FCC-3 Special in accordance with Dilution Guidelines chart. For even better performance, heat solution to approximately 140°F. Remove large soils and rinse surfaces with cold water. Apply FCC-3 Special solution directly to surface with foam apparatus, brush or scouring pad. Allow sufficient time (10 minutes) for FCC-3 Special solution to penetrate and dislodge all soils. Do not allow solution to dry. Scrub with brush or scouring pad and rinse from top to bottom. Sanitize.

## Safety & Hazards



Wear Protective Eye Glasses, Chemical-Resistant Gloves and Waterproof Apron While Using FCC-3 Special

### Consult SDS for Further Safety Precautions

**DOT Shipping Name:** UN 3266, Corrosive Liquid, Basic, Inorganic, N.O.S., (Potassium Hydroxide, Sodium Hypochlorite), 8, PG II

## Technical Information:

Appearance: Clear Yellow Liquid  
Odor: Chlorine  
pH: >13  
Foam: High Foam

## Associated Products:

Special Acid Cleaner, Heavy-Duty Acid Detergent and Descaler  
Dissolve Foaming Acid Cleaner, High-Foaming Phosphoric & Nitric Acid Detergent  
MG 4-Quat, 5th Generation Quaternary Sanitizer & Disinfectant  
ConQuat, Pelletized Quaternary Floor Treatment

## FCC-3 Special Dilution Guidelines

Usage	Dilution
Light Soils	2 Oz / Gallon (585 ppm Chlorine)
Moderate Soils	4 Oz / Gallon (1170 ppm Chlorine)
Heavy Soils	8 Oz / Gallon (2340 ppm Chlorine)

### Titration Kit:

MRTK5000-Z, Chlorinated Alkaline Titration. 1 Drop = 0.222 oz per gallon

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

# FCC-3 Special

### General Use: Highly-Chlorinated Foaming Detergent With Caustic & Rinsing Agent

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**Usage Directions:** Dilute FCC-3 Special in accordance with Dilution Guidelines chart. For even better performance, heat solution to approximately 140°F. Remove large soils and rinse surfaces with cold water. Apply FCC-3 Special solution directly to surface with foam apparatus, brush or scouring pad. Allow sufficient time (10 minutes) for FCC-3 Special solution to penetrate and dislodge all soils. Do not allow solution to dry. Scrub with brush or scouring pad and rinse from top to bottom. Sanitize.

### Dilution Guidelines

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Light Soils	2 Oz / Gallon (585 ppm Chlorine)
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### 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 rubber gloves, chemical goggles, face shield, and rubber apron. Take any precaution to avoid mixing with combustibles, acid products, and ammoniated products. Harmful if swallowed. Causes severe skin burns and eye damage. Toxic to aquatic life. May be corrosive to metals.

**Product Class: Chlorinated**

### 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 Waterproof Apron While Using FCC-3 Special**

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

Products Manufactured By:

# Letter of Guarantee

## FCC-3 Special

Morgan-Gallacher, Inc. guarantees the product FCC-3 Special 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;

FCC-3 Special 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

## Concentration Verification Procedure

# FCC-3 Special

**Procedure No:** ChIAIk1

**Procedure Name:** Chlorinated Alkaline Titration

**Test Kit No:** MRTK5000-Z

**Factor:** 1 Drop = 0.222 oz per gallon

**Purpose:**

To measure concentration of diluted chlorinated-alkaline detergent

**Required Components:**

- 1) 10 mL Vial
- 2) Sodium Thiosulfate 0.0365N (MRST7705)
- 3) Phenolphthalein Indicator (MRPH1605)
- 4) Sulfuric Acid 1.0N (MRSA1625)

**Procedure**

- 1) Rinse vial 3 times with solution to be tested.
- 2) Fill vial to 10 mL mark with sample.
- 3) If chlorine level is greater than 600 ppm, add 5 drops of Sodium Thiosulfate 0.0365N (MRST7705) to react with the chlorine in the sample.
- 4) Add 3 drops of Phenolphthalein Indicator (MRPH1605) and swirl to mix. The sample should turn pink. If it does not, add more Sodium Thiosulfate (MRST7705), but no more than 5 drops. Add 2-3 drops of Phenolphthalein Indicator (MRPH1605). If sample still does not turn pink, chemical level is too low.
- 5) Add Sulfuric Acid 1.0N (MRSA1625) drop-wise while swirling until the sample color turns clear. Record the number of drops.
- 6) Multiply the number of drops by the conversion factor to obtain the amount of product.



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- High Alkalinity
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- Highly Chlorinated
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**Net Contents:**

**Lot No.:**

**DOT Shipping Name:** UN 3266, Corrosive Liquid, Basic, Inorganic, N.O.S., (Potassium Hydroxide, Sodium Hypochlorite), 8, PG II

**FCC-3 Special** Highly-Chlorinated Foaming Detergent With Caustic & Rinsing Agent

**Product Class: Chlorinated**

**Usage Directions:** Dilute FCC-3 Special in accordance with Dilution Guidelines chart. For even better performance, heat solution to approximately 140°F. Remove large soils and rinse surfaces with cold water. Apply FCC-3 Special solution directly to surface with foam apparatus, brush or scouring pad. Allow sufficient time (10 minutes) for FCC-3 Special solution to penetrate and dislodge all soils. Do not allow solution to dry. Scrub with brush or scouring pad and rinse from top to bottom. Sanitize.

Dilution Guidelines	
Usage	Dilution
Light Soils	2 Oz / Gallon (585 ppm Chlorine)
Moderate Soils	4 Oz / Gallon (1170 ppm Chlorine)
Heavy Soils	8 Oz / Gallon (2340 ppm Chlorine)

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 Waterproof Apron While Using FCC-3 Special

### Danger

This product contains Potassium Hydroxide and Sodium Hypochlorite. Harmful if swallowed. Causes severe skin burns and eye damage. Toxic to aquatic life. May be corrosive to metals. 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 rubber gloves, chemical goggles, face shield, and rubber apron. Take any precaution to avoid mixing with combustibles, acid products, and ammoniated products.

### GHS Response Phrases

- IF ON SKIN (OR HAIR)** Remove/Take off immediately all contaminated clothing. Wash with plenty of water for 15 minutes. If skin irritation occurs, get 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. Wash with plenty of water for 15 minutes. 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

<b>Product Code:</b>	MORGAN-222-BULK	
<b>Product Name:</b>	FCC-3 Special	
<b>Company Name:</b>	Morgan-Gallacher, Inc. 8707 Millergrove Drive Santa Fe Springs, CA 90670	<b>Phone Number:</b> +1 (562)695-1232
<b>Emergency Contact:</b>	CHEMTREC	+1 (800)424-9300

## 2. HAZARDS IDENTIFICATION

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



<b>GHS Signal Word:</b>	<b>Danger</b>
<b>GHS Hazard Phrases:</b>	H290 - May be corrosive to metals. H302 - Harmful if swallowed. H314 - Causes severe skin burns and eye damage. H401 - Toxic to aquatic life.
<b>GHS Precaution Phrases:</b>	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 rubber gloves, chemical goggles, face shield, and rubber apron. P221 - Take any precaution to avoid mixing with combustibles, acid products, and ammoniated products.
<b>GHS Response Phrases:</b>	P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes. P332+313 - If skin irritation occurs, get medical advice/attention. P363 - Wash contaminated clothing before reuse. 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. P352 - Wash with plenty of water for 15 minutes. P315 - Get immediate medical advice/attention. P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P315 - Get immediate medical advice/attention.
<b>GHS Storage and Disposal Phrases:</b>	P405 - Store locked up. P501 - Dispose of contents/container in accordance to local, state and federal regulations.

**Potential Health Effects (Acute and Chronic):** Prolonged or repeated eye contact may cause conjunctivitis. Prolonged or repeated skin contact may cause dermatitis. Chronic: Probable mucosal damage may contraindicate the use of gastric lavage.

**Inhalation:** Harmful if inhaled. May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. May cause burns to the upper respiratory tract and lungs.

**Skin Contact:** May cause skin irritation. May cause redness and pain. May cause severe burns to the skin. May cause tissue destruction.

**Eye Contact:** May cause eye irritation. May cause redness and pain. May cause severe burns to the eyes. May cause chemical conjunctivitis and corneal damage. May cause eye damage.

**Ingestion:** Harmful if swallowed. May cause severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea. May cause burns to the gastrointestinal tract. May cause severe and permanent damage to the digestive tract.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-58-3	Potassium hydroxide	<10.0 %
NA	Phosphate	< 5.0 %
7681-52-9	Sodium hypochlorite	< 5.0 %
NA	Surfactant	< 3.0 %

### 4. FIRST AID MEASURES

**Emergency and First Aid Procedures:**

**In Case of Inhalation:** Remove from exposure and move to fresh air immediately. Get medical attention immediately.

**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. 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 attention immediately.

**In Case of Ingestion:** Rinse mouth. Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**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: Not Applicable

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** NA

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam.

**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.

**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:** Do not let product enter drains, sewers, watersheds or water systems.

**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. Clean up spills immediately, observing precautions in Protective Equipment section. Ensure adequate ventilation.

## 7. HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Use with adequate ventilation. Keep container closed. Avoid extremely high temperature.

**Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container. Keep container closed when not in use.

**Other Precautions:** Handle in accordance with good industrial hygiene and safety practice. Keep out of reach of children.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-58-3	Potassium hydroxide	PEL: 2.0 mg/m3	CEIL: 2 mg/m3	No data.
NA	Phosphate	No data.	No data.	No data.
7681-52-9	Sodium hypochlorite	No data.	TLV: 0.5 ppm as Cl2 STEL: 1 ppm as Cl2	No data.
NA	Surfactant	No data.	No data.	No data.

**Respiratory Equipment (Specify Type):** 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:** Splash proof safety goggles.

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

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid	
<b>Appearance and Odor:</b>	Appearance: Clear Yellow Liquid. Straw-colored. Liquid. Odor: Bleach-like.	
<b>Melting Point:</b>	NA	
<b>Boiling Point:</b>	>= 210.00 F	
<b>Decomposition Temperature:</b>	NA	
<b>Autoignition Pt:</b>	NA	
<b>Flash Pt:</b>	NA Method Used: Not Applicable	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Specific Gravity (Water = 1):</b>	1.18	
<b>Density:</b>	9.86 LB/GA	
<b>Bulk density:</b>	NA	
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA	
<b>Vapor Density (vs. Air = 1):</b>	NA	
<b>Evaporation Rate:</b>	NA	
<b>Solubility in Water:</b>	Complete	
<b>Saturated Vapor Concentration:</b>	NA	
<b>Viscosity:</b>	NA	
<b>pH:</b>	> 12 - (neat)	
<b>Percent Volatile:</b>	75.0 % by weight.	
<b>VOC / Volume:</b>	NA	
<b>Particle Size:</b>	NA	
<b>Heat Value:</b>	NA	
<b>Corrosion Rate:</b>	NA	

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	High temperatures, Incompatible materials, Light.
<b>Incompatibility - Materials To Avoid:</b>	Metals, Acids. ammonia, Strong oxidizing agents.
<b>Hazardous Decomposition Or Byproducts:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, Hydrogen chloride, chlorine, hydrogen gas, and oxides of: potassium, sodium.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	Epidemiology: No information available. Teratogenicity: No information available. Reproductive Effects: No data available. Mutagenicity: No information available. Neurotoxicity: No data available.  Other Studies: CAS# 1310-58-3: Acute toxicity, LD50, Oral, Rat, 273 mg/kg  Other Studies: CAS# 7681-52-9: Acute toxicity, LD50, Oral, Mouse, 5800 mg/kg  Other Studies: Phosphate: Acute toxicity, LD50, Oral, Rat, 3120 mg/kg  Other Studies: Surfactant: Acute toxicity, LD50, Dermal, Rabbit: > 2000 mg/kg Acute toxicity, LD50, Oral, Rat: 1064 mg/kg
<b>Irritation or Corrosion:</b>	Other Studies: CAS# 1310-58-3: Standard Draize Test, Skin, Species: Rabbit, 50.0 mg, 24H  Other Studies: CAS# 7681-52-9: Standard Draize Test, Eyes, Species: Rabbit, 1.310 mg, Mild
<b>Carcinogenicity:</b>	NTP? No      IARC Monographs? No      OSHA Regulated? No

## 12. ECOLOGICAL INFORMATION

<b>General Ecological Information:</b>	Environmental: No information found. Physical: No information found. Other: No information available.
<b>Results of PBT and vPvB assessment:</b>	Other Studies: CAS# 1310-58-3: LC50, Western Mosquitofish ( <i>Gambusia affinis</i> ), adult(s), 80000 ug/L, 96H, Mortality  Other Studies: CAS# 7681-52-9 LC50, Rainbow trout ( <i>Oncorhynchus mykiss</i> ), 59.00 ug/L, 96H, Mortality LC50, Water flea ( <i>Daphnia magna</i> ), 32.00 ug/L, 48H, Mortality LC50, Bleak ( <i>Alburnus alburnus</i> ), 30000 - 35000 ug/L, 96H, Mortality.  Other Studies: Phosphate LC50, Medaka, High-Eyes ( <i>Oryzias latipes</i> ), 590000 ug/L, 24H, Mortality
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	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:** Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide, sodium hypochlorite) (Potassium hydroxide, Sodium hypochlorite)

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN3266 **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)
1310-58-3	Potassium hydroxide	No	Yes 1000 LB	No
NA	Phosphate	No	Yes 5000 LB	No
7681-52-9	Sodium hypochlorite	No	Yes 100 LB	No
NA	Surfactant	No	No	No

**CAS # Hazardous Components (Chemical Name)**

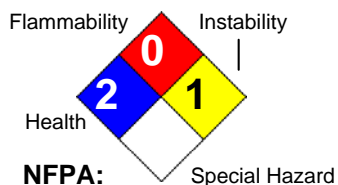
**Other US EPA or State Lists**

1310-58-3	Potassium hydroxide	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: Yes - 1571; NY Part 597: Yes; PA HSL: Yes - E
NA	Phosphate	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: Yes; PA HSL: Yes - E
7681-52-9	Sodium hypochlorite	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: Yes - 1707; NY Part 597: Yes; PA HSL: Yes - E
NA	Surfactant	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:** 02/24/2015

**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-222-BULK  
**Nombre del Producto:** FCC-3 Special  
**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

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



**SGA Palabra de advertencia:** Peligro

**Frases del peligro de SGA:** H290 - Puede ser corrosiva para los metales.  
H302 - Dañino si es deglutido.  
H314 - Provoca graves quemaduras en la piel y lesiones oculares.  
H401 - Tóxico para los organismos acuáticos.

**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 dust/fume/gas/mist/vapors/spray.  
P280 - Usar rubber gloves, chemical goggles, face shield, and rubber apron.  
P221 - Tomar todas las precauciones necesarias para no mezclar con materias combustibles/... .. otras materias incompatibles especificadas por el fabricante /proveedor o la autoridad competente.

**Frases de la respuesta de SGA:** P303+361+353 - EN CASO DE CONTACTO CON LA PIEL (o el pelo): Quitar inmediatamente la ropa contaminada. Lavar la piel con agua/ducharse.  
P332+313 - En caso irritación cutánea, consultar a un médico.  
P363 - Lavar/descontaminar la ropa contaminada antes de volverla a usar.  
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.  
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.  
P352 - Lavar con abundante water for 15 minutes. P315 - Buscar asistencia médica inmediata.  
P301+330+331 - EN CASO DE INGESTIÓN: Enjuagarse la boca. NO provocar el vómito. P315 - Buscar asistencia médica inmediata.

**Frases del almacenaje y de la disposición de SGA:** P405 - Guardar bajo llave.  
P501 - Eliminar el contenido/recipiente ...

<b>Potenciales efectos en la salud (Agudo o Crónico):</b>	El contacto visual prolongado o repetido puede causar conjuntivitis. El contacto de piel prolongada o repetida puede causar dermatitis. Crónica: Los efectos pueden no ser inmediatos..
<b>Inhalación:</b>	Dañoso si está inhalado. Puede causar irritación severa de las vías respiratorias con dolor de garganta, tos, disnea y edema pulmonar retardado. Puede causar quemaduras en las vías respiratorias superiores y los pulmones.
<b>Contacto con la piel:</b>	Puede causar irritación de la piel. Puede causar enrojecimiento y dolor. Puede causar quemaduras graves en la piel. Puede causar la destrucción del tejido.
<b>Contacto con los ojos:</b>	Puede provocar una irritación en los ojos. Puede causar enrojecimiento y dolor. Puede causar quemaduras graves en los ojos. Podría causar conjuntivitis química y daño córneo. Puede causar lesiones oculares graves.
<b>Ingestión:</b>	Nocivo por ingestión. Puede causar irritación severa del tracto digestivo con dolor abdominal, náuseas, vómitos y diarrea. Puede causar quemaduras en el tracto gastrointestinal. Podría causar daño severo y permanente a la zona digestiva.

### 3. COMPOSICIÓN/ INFORMACIÓN SOBRE LOS COMPONENTES

Numeros	Componentes peligrosos [química nombre]	Concentración
1310-58-3	Hidróxido de potasio	<10.0 %
NA	Fosfato	< 5.0 %
7681-52-9	El hipoclorito de sodio	< 5.0 %
NA	Surfactante	< 3.0 %

### 4. MEDIDAS EN PRIMEROS AUXILIOS

**Procedimientos de**

**Emergencia y Primeros**

**Auxilios:**

<b>En caso de inhalación:</b>	Quite de la exposición y del movimiento al aire fresco inmediatamente. Obtener atención médica inmediatamente.
<b>En caso de contacto con la piel:</b>	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. Lave la ropa antes de la reutilización.
<b>En caso de contacto con los ojos:</b>	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. Obtener atención médica inmediatamente.
<b>En caso de ingestión:</b>	Enjuagarse la boca. NO provocar el vómito. Si la víctima está consciente y alerta, dé 2-4 de leche o de agua. Nunca debe administrarse nada por la boca a una persona inconsciente.
<b>Informe para el médico:</b>	Convite sintomático y de apoyo. Mostrar esta ficha de seguridad al doctor que esté de servicio.

### 5. MEDIDAS DE LUCHA CONTRA INCENDIOS

<b>Punto de encendido:</b>	NA Método usado: No aplicable
<b>Límites de explosión:</b>	LEI: No información LES: No información
<b>Punto de Auto-Ignición:</b>	NA
<b>Medios Que extinguen Convenientes:</b>	Utilice el aerosol de agua, el producto químico seco, el dióxido de carbono, o la espuma apropiada.
<b>Instrucciones para combatir el fuego:</b>	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 térmica o la combustión.
<b>Propiedades y riesgos de materiales inflamables:</b>	No disponible

### 6. MEDIDAS CONTRA FUGAS ACCIDENTALES

<b>Precauciones protectoras, equipo protector y procedimientos de emergencia:</b>	Utilice el equipo protector personal apropiado según lo indicado en la sección 8.
<b>Precauciones ambientales:</b>	No dejar que el producto penetre en los desagües, alcantarillas, cuencas o sistemas hídricos.
<b>Pasos a ser tomados en cuenta en caso de que material se fugue o derrame:</b>	Absorba el derramamiento con el material inerte (e.g. vermiculita, arena o tierra), después colóquelo en envase conveniente. Limpiar los derrames inmediatamente, observando las precauciones de la sección de Equipo de Protección. Asegúrese una ventilación apropiada.

### 7. MANIPULACIÓN Y ALMACENAMIENTO

<b>Precauciones a ser tomadas en la manipulación:</b>	Lavarse meticulosamente después de la manipulación. Evitar contacto con los ojos, piel y ropa. Evite la ingestión y la inhalación. Usar con ventilación adecuada. Mantener el recipiente cerrado. No permita el contacto con agua.
<b>Precauciones para ser tomadas en almacenaje:</b>	Almacén en un área fresca, seca, well-ventilated lejos de sustancias incompatibles. Almacenar en un recipiente bien cerrado. Mantenga el envase cerrado cuando es parado.
<b>Otras precauciones:</b>	Manipular de acuerdo con las buenas prácticas de higiene y seguridad industrial. Mantener fuera del alcance de los niños.

### 8. CONTROL DE EXPOSICIÓN / PROTECCIÓN PERSONAL

Numeros	Nombre Químico Parcial	OSHA TWA	ACGIH TWA	Otra Límites
1310-58-3	Hidróxido de potasio	PEL: 2.0 mg/m3	CEIL: 2 mg/m3	No información
NA	Fosfato	No información	No información	No información
7681-52-9	El hipoclorito de sodio	No información	TLV: 0.5 ppm as Cl2 STEL: 1 ppm as Cl2	No información
NA	Surfactante	No información	No información	No información



<b>Equipo respiratorio (especificar el tipo):</b>	Utilice un NIOSH/MSHA o el EN del estándar europeo 149 aprobó el respirador si se exceden los límites de exposición o si la irritación u otros síntomas es experimentados.
<b>Protección ocular:</b>	Gafas protectoras a prueba de salpicaduras.
<b>Guantes protectores:</b>	Use los guantes protectores apropiados para prevenir la exposición de piel. Guantes de goma o neopreno.
<b>Otras ropas protectoras:</b>	Use la ropa protectora apropiada para prevenir la exposición de piel.
<b>Medidas de ingeniería [ventilación, etc.]:</b>	Utilice la ventilación de extractor general o local adecuada para guardar concentraciones aerotransportadas debajo de los límites de exposición permitidos. Las instalaciones que almacenan o que utilizan este material se deben equipar de una facilidad del colirio y de una ducha de la seguridad.
<b>Prácticas de trabajo / higiene / mantenimiento:</b>	Manipular con las precauciones de higiene industrial adecuadas, y respetar las prácticas de seguridad. Lávense las manos antes de los descansos y después de terminar la jornada laboral.

## 9. PROPIEDADES FÍSICAS Y QUÍMICAS

<b>Estado físico:</b>	[ ] Gas [ X ] Líquido [ ] Solido	
<b>Aspecto y Olor:</b>	Appearance: Claro. De color pajizo. Líquido. Olor: -Bleach como.	
<b>Punto de Fusión:</b>	NA	
<b>Punto de Ebullición:</b>	>= 210.00 F	
<b>Temperatura de descomposición:</b>	NA	
<b>Punto de Auto-Ignición:</b>	NA	
<b>Punto de encendido:</b>	NA Método usado: No aplicable	
<b>Límites de explosión:</b>	LEI: No información	LES: No información
<b>Gravedad Específica (Agua = 1):</b>	1.18	
<b>Densidad:</b>	9.86 LB/GA	
<b>Densidad aparente:</b>	NA	
<b>Presión de Vapor (vs. Aire o mm Hg):</b>	NA	
<b>Densidad de Vapor (vs. Aire = 1):</b>	NA	
<b>Índice de evaporación:</b>	NA	
<b>Solubilidad en Agua:</b>	Complete	
<b>Concentración de Vapor Saturado:</b>	NA	
<b>Viscosidad:</b>	NA	
<b>pH:</b>	> 12 - (neat)	
<b>Volatilidad:</b>	75.0 % by weight.	
<b>COV/Volumen:</b>	NA	

**Tamaño de partícula:** NA  
**Principios del calor:** NA  
**Tarifa De la Corrosión:** NA

## 10. ESTABILIDAD Y REACTIVIDAD

**Estabilidad:** Inestable [ ] Estable [ X ]  
**Condiciones para evitar - Inestabilidad:** Las altas temperaturas, Materiales incompatibles, Luz.  
**Incompatibilidad - Materiales para evitar:** Metals, Ácidos. Amoníaco, Agentes oxidantes fuertes.  
**Peligrosa descomposición o derivados del producto:** Las altas temperaturas y condiciones de incendio pueden resultar en la formación de monóxido de carbono y dióxido de carbono, Cloruro de hidrógeno, Cloro, gas de hidrógeno, y los óxidos de: de potasio, de sodio.  
**Posibilidad de reacciones peligrosas:** Sucederá [ ] No sucederá [ X ]  
**Condiciones para evitar - Reacciones Peligrosas:** No disponible

## 11. INFORMACIÓN TOXICOLÓGICA

**Información Toxicológica:** Epidemiología: No hay información disponible.  
Teratogenicidad: No hay información disponible.  
Efectos sobre la reproducción: No hay datos disponibles.  
Mutagenicidad: No hay información disponible.  
Neurotoxicidad: No hay datos disponibles.

Otros Estudios: CAS # 1310-58-3:  
Toxicidad aguda, DL50, oral, Rata, 273 mg / kg.  
Otros Estudios: CAS # 7681-52-9:  
Toxicidad aguda, DL50, oral, ratón, 5.800 mg / kg.  
Otros Estudios: Fosfato:  
Toxicidad aguda, DL50, oral, rata, 3120 mg / kg.  
Otros Estudios: Surfactante:  
Toxicidad aguda, DL50, dérmica, conejo:> 2.000 mg / kg  
Toxicidad aguda, DL50, oral, rata: 1064 mg / kg.

**Irritación o la corrosión:** Otros Estudios: CAS # 1310-58-3:  
Estándar de Prueba Draize, Piel, Especies: conejo, 50,0 mg, 24H.  
Otros Estudios: CAS # 7681-52-9:  
Estándar de Prueba Draize, Ojos, Especies: conejo, 1.310 mg, Suave.

**Carcinogenicidad:** NTP No IARC No Regulado por OSHA? No

## 12. INFORMACIÓN ECOLÓGICA

**Información Ecológica:** Ambiental: Ninguna información encontrada.  
Comprobación: Ninguna información encontrada.  
Otro: Ninguna información disponible.

**Resultados de la valoración PBT y mPmB:** Otros Estudios: CAS # 1310-58-3:  
CL50, pez mosquito Western (Gambina affinis), adulto (s), 80000 ug / L, 96H, Mortalidad.  
Otros Estudios: CAS # 7681-52-9  
CL50, Trucha arco iris (Oncorhynchus mykiss), 59,00 ug / L, 96H, Mortalidad  
CL50, Pulga de agua (Daphnia magna), 32,00 ug / L, 48H, Mortalidad  
LC50, Bleak (Alburnus alburnus), 30000 - 35000 ug / L, 96H, Mortalidad.

Otros Estudios: Fosfato  
CL50, Medaka, High-Eyes (Oryzias latipes), 590000 ug / L, 24H, Mortalidad.

**Persistencia y degradabilidad:** Sin datos disponibles.

**Potencial de bioacumulación:** Sin datos disponibles.

**Movilidad en el suelo:** 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:** Líquido corrosivo, básico, inorgánico, n.e.p. (Hidróxido de potasio, hipoclorito de sodio) (Hidróxido de potasio, El hipoclorito de sodio)  
**Clase De Peligro (DOT):** 8 CORROSIVO  
**Número UN/NA:** UN3266 **Grupo del embalaje:** II



### 15. INFORMACIÓN REGLAMENTARIA

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

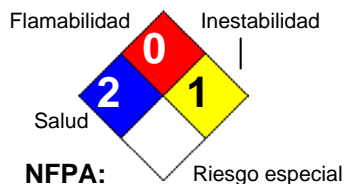
Numeros CAS	Componentes peligrosos [química nombre]	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1310-58-3	Hidróxido de potasio	No	Sí 1000 LB	No
NA	Fosfato	No	Sí 5000 LB	No
7681-52-9	El hipoclorito de sodio	No	Sí 100 LB	No
NA	Surfactante	No	No	No

Numeros CAS	Componentes peligrosos [química nombre]	Otros E.E.U.U. EPA o listas del estado
1310-58-3	Hidróxido de potasio	TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Sí; MI CMR, Part 5: Part 5; NJ EHS: Sí - 1571; NY Part 597: Sí; PA HSL: Sí - E
NA	Fosfato	TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Sí; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: Sí; PA HSL: Sí - E
7681-52-9	El hipoclorito de sodio	TSCA: Sí - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Sí; MI CMR, Part 5: Part 5; NJ EHS: Sí - 1707; NY Part 597: Sí; PA HSL: Sí - E
NA	Surfactante	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: 02/24/2015

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.