

FCC-2

Heavy Duty Foaming Chlorinated Detergent With Caustic

FCC-2 is a high-foaming blend of wetting agents, water conditioners, potassium hydroxide and bleach. FCC-2 excels at saponifying and emulsifying fat, oil and grease found in all processing facilities dealing with meat, fish and poultry. Chlorinated action is effective on sugars, carbohydrates, and eliminates foul odors and stains caused by microorganisms, mold & mildew. FCC-2 is safe for use on hard surfaces capable of withstanding high caustic cleaning.

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

Usage Directions: Dilute FCC-2 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-2 solution directly to surface with foam apparatus, brush or scouring pad. Allow sufficient time (10 minutes) for FCC-2 solution to penetrate and dislodge all soils. Do not allow FCC-2 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-2

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: Bleach
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

FCC-2 Dilution Guidelines

Usage	Dilution
Light Soils	2 Oz / Gallon
Moderate Soils	5 Oz / Gallon
Heavy Soils	8 Oz / Gallon

Titration Kit:

MRTK5000-Z, Chlorinated Alkaline Titration. 1 Drop = 0.188 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-2

General Use: Heavy Duty Foaming Chlorinated Detergent With Caustic
 FCC-2 is a high-foaming blend of wetting agents, water conditioners, potassium hydroxide and bleach. FCC-2 excels at saponifying and emulsifying fat, oil and grease found in all processing facilities dealing with meat, fish and poultry. Chlorinated action is effective on sugars, carbohydrates, and eliminates foul odors and stains caused by microorganisms, mold & mildew. FCC-2 is safe for use on hard surfaces capable of withstanding high caustic cleaning.

Usage Directions: Dilute FCC-2 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-2 solution directly to surface with foam apparatus, brush or scouring pad. Allow sufficient time (10 minutes) for FCC-2 solution to penetrate and dislodge all soils. Do not allow FCC-2 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
Moderate Soils	5 Oz / Gallon
Heavy Soils	8 Oz / Gallon

Titration Kit:

MRTK5000-Z, Chlorinated Alkaline Titration. 1 Drop = 0.188 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 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-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

Letter of Guarantee

FCC-2

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

FCC-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

Concentration Verification Procedure

FCC-2

Procedure No: ChIAIk1

Procedure Name: Chlorinated Alkaline Titration

Test Kit No: MRTK5000-Z

Factor: 1 Drop = 0.188 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.

Concentration Verification Log Sheet

FCC-2

Procedure No: ChiAlk1

Procedure Name: Chlorinated Alkaline Titration

Test Kit No: MRTK5000-Z

Factor: 1 Drop = 0.188 oz per gallon

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

FCC-2

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- High Alkalinity
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FCC-2 is a high-foaming blend of wetting agents, water conditioners, potassium hydroxide and bleach. FCC-2 excels at saponifying and emulsifying fat, oil and grease found in all processing facilities dealing with meat, fish and poultry. Chlorinated action is effective on sugars, carbohydrates, and eliminates foul odors and stains caused by microorganisms, mold & mildew. FCC-2 is safe for use on hard surfaces capable of withstanding high caustic cleaning.

FCC-2 Heavy Duty Foaming Chlorinated Detergent With Caustic

Product Class: Chlorinated

Usage Directions: Dilute FCC-2 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-2 solution directly to surface with foam apparatus, brush or scouring pad. Allow sufficient time (10 minutes) for FCC-2 solution to penetrate and dislodge all soils. Do not allow FCC-2 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
Moderate Soils	5 Oz / Gallon
Heavy Soils	8 Oz / Gallon

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-2

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

Net Contents:

Lot No.:

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

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-072-BULK
Product Name: FCC-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
Product Category: Chlorinated Alkali Detergent

2. HAZARDS IDENTIFICATION

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



GHS Signal Word: **Danger**

GHS Hazard Phrases: H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H401 - Toxic to aquatic life.

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.
P221 - Take any precaution to avoid mixing with combustibles, acid products, and ammoniated products.

GHS Response Phrases: 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. P363 - Wash contaminated clothing before reuse.

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

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

Potential Health Effects (Acute and Chronic): Chronic: Probable mucosal damage may contraindicate the use of gastric lavage.

Inhalation: May be harmful if inhaled. May cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath and delayed lung edema. Causes chemical burns to the respiratory tract.

Skin Contact: May be harmful if absorbed through the skin. Causes redness and pain. Causes skin irritation. May cause severe burns with delayed tissue destruction.

Eye Contact: Causes redness and pain. Causes severe eye burns. Contact may cause ulceration of the conjunctiva and cornea. May cause irreversible eye injury.

Ingestion: Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. 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	<15.0 %
7681-52-9	Sodium hypochlorite	< 5.0 %
7320-34-5	TKPP	< 5.0 %
NA	Surfactant	< 5.0 %

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 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 if irritation develops or persists. 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: Never give anything by mouth to an unconscious person. 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: No data. UEL: No data.

Autoignition Pt: NA

Suitable Extinguishing Media: Dry chemical, carbon dioxide, 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 the 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. Do not ingest or inhale. Avoid extremely high temperature. Use with adequate ventilation.
Precautions To Be Taken in Storing:	Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container. Protect containers against damage. Keep container closed when not in use.

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.
7681-52-9	Sodium hypochlorite	No data.	TLV: 0.5 ppm as Cl2 STEL: 1 ppm as Cl2	No data.
7320-34-5	TKPP	No data.	No data.	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 ventilation to keep airborne concentrations low. 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

Physical States:	[] Gas [X] Liquid [] Solid	
Appearance and Odor:	Clear Yellow Liquid. Odor: Mild. chlorine.	
Melting Point:	No data.	
Boiling Point:	>= 212.00 F	
Autoignition Pt:	NA	
Flash Pt:	NA	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	1.19	
Density:	NA	

Vapor Pressure (vs. Air or mm Hg): NA
Vapor Density (vs. Air = 1): NA
Evaporation Rate: NA
Solubility in Water: Soluble
Saturated Vapor Concentration: NA
Viscosity: NA
pH: > 12.0
Percent Volatile: 68.0 % by weight.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Incompatible materials, Excess heat, Light.
Incompatibility - Materials To Avoid: Strong oxidizing agents, Acids, Metals, ammonia.
Hazardous Decomposition Or Byproducts: High temperatures and fires may produce toxic: chlorine, hydrogen chloride, hydrogen gas, carbon monoxide, carbon dioxide, oxides of sodium, oxides of potassium.
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 available.
 Teratogenicity: No information available.
 Reproductive Effects: No information available.
 Mutagenicity: No information available.
 Neurotoxicity: No information available.

Irritation or Corrosion: Other Studies: CAS# 1310-58-3:
 Acute toxicity, LD50, Oral, Rat, 273 mg/kg

Other Studies: CAS# 1310-58-3:
 Standard Draize Test, Skin, Species: Rabbit, 50.0 mg, 24H

Other Studies: CAS# 7320-34-5
 Acute toxicity, LD50, Dermal, Rabbit: 4640 mg/kg
 Acute toxicity, LD50, Oral, Rat: 2444 mg/kg

Other Studies: CAS# 7681-52-9:
 Acute toxicity, LD50, Oral, Mouse, 5800 mg/kg

Other Studies: CAS# 7681-52-9:
 Standard Draize Test, Eyes, Species: Rabbit, 1.310 mg, Mild

Carcinogenicity/Other Information: 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.

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.

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 : 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 found.
Physical: No information found.

CAS# 7320-34-5: TKPP: LC50, Medaka, High-Eyes (*Oryzias latipes*), 590000. , 24 H.
Result: Affected fish stopped schooling behavior. Affected fish became hyperactive. Fish were overreactive to external stimuli. Affected fish swam at or near surface. No loss of equilibrium observed.

Results of PBT and vPvB assessment: Other Studies: CAS# 1310-58-3:
LC50, Western Mosquitofish (*Gambusia affinis*), adult(s), 80000 ug/L, 96H, Mortality

Other Studies: CAS# 7320-34-5:
LC50, Zebra mussel (*Dreissna polymorpha*), adult(s), 94000 ug/L, 96H, Mortality

Other Studies: CAS# 7681-52-9
LC50, Rainbow trout (*Oncorhynchus mykiss*), 59.00 ug/L, 96H, Mortality
LC50, Water flea (*Daphnia magna*), 32.00 ug/L, 48H, Mortality
LC50, Bleak (*Alburnus alburnus*), 30000 - 35000 ug/L, 96H, Mortality.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: 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 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
7681-52-9	Sodium hypochlorite	No	Yes 100 LB	No
7320-34-5	TKPP	No	No	No
NA	Surfactant	No	No	No

CAS # Hazardous Components (Chemical Name)

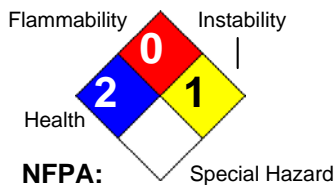
Other US EPA or State Lists

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
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
7320-34-5	TKPP	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
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-072-BULK
Nombre del Producto: FCC-2
Nombre de la Empresa: Morgan-Gallacher, Inc.
 8707 Millergrove Drive
 Santa Fe Springs, CA 90670
Contacto De la Emergencia: CHEMTREC

Número De Teléfono:
 +1 (562)695-1232
 +1 (800)424-9300

Categoría de producto: Detergente alcalino clorado

2. IDENTIFICACIÓN DE LOS RIESGOS

Toxicidad aguda por ingestión, Categoría 4
Corrosión/irritación cutáneas, Categoría 1A
Toxicidad aguda para el medio ambiente acuático, Categoría 2
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 guantes /ropa protectora/equipo de protección para los ojos/la cara.
 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. P363 - Lavar/descontaminar la ropa contaminada antes de volverla a usar.

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

Estado regulador del OSHA:	Este material está clasificado como peligroso bajo las regulaciones de la OSHA.
Potenciales efectos en la salud (Agudo o Crónico):	Crónica: Los efectos pueden no ser inmediatos..
Inhalación:	Puede ser nocivo si se inhala. Puede causar irritación severa de las vías respiratorias con dolor de garganta, tos, disnea y edema pulmonar retardado. El producto químico de las causas quema a las vías respiratorias.
Contacto con la piel:	Puede ser nocivo si es absorbido por la piel. Rojez y dolor de las causas. Provoca irritaciones de la piel. Causa quemaduras severas con la destrucción retrasada del tejido.
Contacto con los ojos:	Rojez y dolor de las causas. Quemaduras severas del ojo de las causas. El contacto puede causar la ulceración de la conjuntiva y de la córnea. Puede causar lesiones oculares irreversibles.
Ingestión:	Nocivo por ingestión. Podía causar la irritación gastrointestinal con náusea, vomitar y diarrea. Podía 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	<15.0 %
7681-52-9	El hipoclorito de sodio	< 5.0 %
7320-34-5	TKPP	< 5.0 %
NA	Surfactante	< 5.0 %

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 inmediatamente.
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 si la irritación se convierte o persiste. 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:	Nunca debe administrarse nada por la boca a una persona inconsciente. Si la víctima está consciente y alerta, dé 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: No información	LES: No información
Punto de Auto-Ignición:	NA	
Medios Que extinguen Convenientes:	Producto químico seco, dióxido de carbono, espuma.	
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 térmica o la combustión.	
Propiedades y riesgos de materiales inflamables:	No disponible	

6. MEDIDAS CONTRA FUGAS ACCIDENTALES

Precauciones protectoras, equipo protector y procedimientos de emergencia:	Utilice el equipo protector personal apropiado según lo indicado en la sección 8.
Precauciones ambientales:	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:	Absorba el derramamiento con el material inerte (e.g. vermiculita, arena o tierra), después colóquelo en envase conveniente. Limpie los derramamientos inmediatamente, observando precauciones en la sección del equipo protector. Asegúrese una ventilación apropiada.

7. MANIPULACIÓN Y ALMACENAMIENTO

Precauciones a ser tomadas en la manipulación:	Lavarse cuidadosamente después de la manipulación. Evitar contacto con los ojos, piel y ropa. No injiera ni inhale. No permita el contacto con agua. Usar con ventilación adecuada.
Precauciones para ser tomadas en almacenaje:	Almacén en un área fresca, seca, well-ventilated lejos de sustancias incompatibles. Almacenar en un recipiente bien cerrado. Proteja los recipientes contra daños. Mantenga el envase cerrado cuando es parado.

8. CONTROL DE EXPOSICIÓN / PROTECCIÓN PERSONAL

Numeros	Nombre Químico Parcial	OSHA TWA	ACGIH TWA	Otra Limites
1310-58-3	Hidróxido de potasio	PEL: 2.0 mg/m ³	CEIL: 2 mg/m ³	No información
7681-52-9	El hipoclorito de sodio	No información	TLV: 0.5 ppm as Cl ₂ STEL: 1 ppm as Cl ₂	No información
7320-34-5	TKPP	No información	No información	No información
NA	Surfactante	No información	No información	No información
Equipo respiratorio (especificar el tipo):	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.			
Protección ocular:	Gafas protectoras a prueba de salpicaduras.			
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.]:	Utilice la ventilación adecuada para mantener concentraciones aerotransportadas bajas. Las instalaciones que almacenan o que utilizan este material se deben equipar de una facilidad del colirio y de una ducha de la seguridad.			

Prácticas de trabajo / higiene / mantenimiento: 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

Estado físico: [] Gas [X] Líquido [] Sólido

Aspecto y Olor: Claro.
Olor: leve. cloro.

Punto de Fusión: No información

Punto de Ebullición: >= 212.00 F

Punto de Auto-Ignición: NA

Punto de encendido: NA

Límites de explosión: LEI: No información LES: No información

Gravedad Específica (Agua = 1): 1.19

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: Soluble

Concentración de Vapor Saturado: NA

Viscosidad: NA

pH: > 12.0

Volatilidad: 68.0 % by weight.

10. ESTABILIDAD Y REACTIVIDAD

Estabilidad: Inestable [] Estable [X]

Condiciones para evitar - Inestabilidad: Materiales incompatibles, Exceso de calor, Luz.

Incompatibilidad - Materiales para evitar: Agentes oxidantes fuertes, ácidos, Metales, Amoníaco.

Peligrosa descomposición o derivados del producto: Las altas temperaturas y los incendios pueden producir tóxicos: Cloro, Cloruro de hidrógeno, gas de hidrógeno, monóxido de carbono, dióxido de carbono, óxidos de sodio. Óxidos del potasio.

Posibilidad de reacciones peligrosas: Sucederá [] No sucederá [X]

Condiciones para evitar - Reacciones Peligrosas: Sin datos disponibles.

11. INFORMACIÓN TOXICOLÓGICA

Información Toxicológica:	Epidemiología: Ninguna información disponible. Teratogenicidad: Ninguna información disponible. Efectos reproductivos: Ninguna información disponible. Mutagenicidad: Ninguna información disponible. Neurotoxicidad: Ninguna información disponible.
Irritación o la corrosión:	Otros Estudios: CAS # 1310-58-3: Toxicidad aguda, DL50, oral, Rata, 273 mg / kg. Otros Estudios: CAS # 1310-58-3: Estándar de Prueba Draize, Piel, Especies: conejo, 50,0 mg, 24H. Otros Estudios: CAS # 7320-34-5 Toxicidad aguda, DL50, dérmica, conejo: 4640 mg / kg Toxicidad aguda, DL50, oral, rata: 2444 mg / kg. Otros Estudios: CAS # 7681-52-9: Toxicidad aguda, DL50, oral, ratón, 5.800 mg / kg. Otros Estudios: CAS # 7681-52-9: Estándar de Prueba Draize, Ojos, Especies: conejo, 1.310 mg, Suave.
Carcinogenicidad/Otras informaciones:	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. 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. 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 encontrada. Comprobación: Ninguna información encontrada. CAS# 7320-34-5: TKPP: LC50, Medaka, High-Eyes (Oryzias latipes), 590000. , 24 H. Resultado: Los peces afectados se detuvo el comportamiento de la escolarización. Los peces afectados se volvía hiperactiva. Los peces fueron overreactive a los estímulos externos. Los peces afectados nadó en o cerca de la superficie. No hay pérdida de equilibrio observado.
Resultados de la valoración PBT y mPmB:	Otros Estudios: CAS # 1310-58-3: CL50, pez mosquito Western (Gambusia affinis), adulto (s), 80000 ug / L, 96H, Mortalidad. Otros Estudios: CAS # 7320-34-5: LC50, mejillón cebra (Dreissna polymorpha), adulto (s), 94000 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.

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 federales, estatales y locales.

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

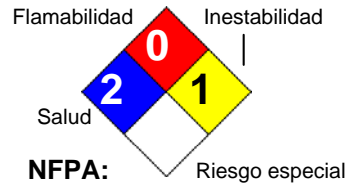
Numeros CAS	Componentes peligrosos [química nombre]	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
1310-58-3	Hidróxido de potasio	No	Sí 1000 LB	No
7681-52-9	El hipoclorito de sodio	No	Sí 100 LB	No
7320-34-5	TKPP	No	No	No
NA	Surfactante	No	No	No

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
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
7320-34-5	TKPP	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	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.