

# In-Fact 750



## Technical Dossier

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S H E P A R D   B R O S .   I N C .

## IN-FACT 750

### Chlorinated Foam Cleaner

#### PRODUCT DESCRIPTION

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**IN-FACT 750** is a chlorinated liquid detergent formulated for the spray, soak, and foam cleaning of dairy and food processing equipment.

#### PROPERTIES AND BENEFITS

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- High foaming formulation. Produces a stable clinging foam for longer contact time.
- Excellent for foaming vertical clinging and overhead surfaces.
- Built-in water conditioner. Heavy-duty chelate prevents scale formation.
- Biodegradable.
- Optimal blend of wetting agents for maximum soil penetration and removal.
- No additional foam booster required.
- Versatile single-product, multi-job cleaner.
- Works in all water conditions.
- Leaves stainless steel bright and shiny; prevents hard water precipitates.
- Attacks and removes protein soils and fats.
- Clear, free rinsing.
- May be used in foamer, steam cleaners or pressure washers.

#### DIRECTIONS

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- In-Fact 750 is commonly used in concentrations of 2-8 fluid oz. to 1 gallon water.
- Consult your Shepard Bros. Inc. representative for specific use instructions and recommended dispensing equipment

#### SAFE HANDLING

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A Safety Data Sheet containing detailed information regarding the properties and safe handling of **In-Fact 750** is available on request and should be carefully reviewed prior to using this product.

(Rev. 04/17)

The technical information and use suggestions herein are presented in good faith and are believed to be reliable. They do not constitute a part of our terms and conditions of sale unless specifically incorporated in our Order Acknowledgement. Nothing herein shall be deemed to constitute a warranty, expressed or implied, that said information or data are correct, or that the product described is merchantable or fit for a particular purpose, or that said information, data or product can be used without infringing patents of a third party. The purchaser must determine individually, by preliminary tests or otherwise, the suitability of this product for the intended purpose.

Shepard Bros., Inc. ▪ 503 S. Cypress St. La Habra, CA 90631 ▪ (800) 645-3594 ▪ [www.shepardbros.com](http://www.shepardbros.com)

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** IF750  
**Product Name:** In-Fact 750  
**Company Name:** Shepard Bros., Inc.  
503 S. Cypress St.  
La Habra, CA 90631  
**Phone Number:** +1 (562)697-1366  
**Web site address:** www.shepardbros.com  
**Emergency Contact:** CHEMTREC +1 (800)424-9300

**Product Category:** Foaming Chlorinated Alkaline Cleaner

## 2. HAZARDS IDENTIFICATION

**Acute Toxicity: Oral, Category 4**

**Skin Corrosion/Irritation, Category 1A**

**Aquatic Toxicity (Acute), Category 2**



**GHS Signal Word:** Danger

**GHS Hazard Phrases:**

H302 - Harmful if swallowed.  
H314 - Causes severe skin burns and eye damage.  
H401 - Toxic to aquatic life.

**GHS Precaution Phrases:**

P264 - Wash hands thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P273 - Avoid release to the environment.

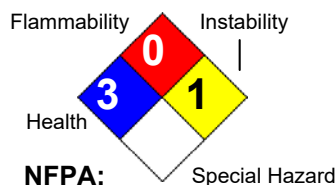
**GHS Response Phrases:**

P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. P363 - Wash contaminated clothing before reuse.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P310 - Immediately call a POISON CENTER or doctor/physician.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
P321 - Specific treatment see Section 4 reference to supplemental first aid instruction - if immediate measures are required.

**GHS Storage and Disposal Phrases:**

P501 - Dispose of contents/containers in accordance with local/regional/national/international regulations.

### Hazard Rating System:



### Potential Health Effects (Acute and Chronic):

Chronic: Prolonged or repeated skin contact may cause dermatitis. Effects may be delayed.

### Inhalation:

Harmful if inhaled. Causes respiratory tract irritation. Vapors may cause dizziness or suffocation. Can produce delayed pulmonary edema. May cause burning sensation in the chest.

### Skin Contact:

Harmful if absorbed through the skin. May cause cyanosis of the extremities.

### Eye Contact:

Causes eye irritation. May cause chemical conjunctivitis and corneal damage.

### Ingestion:

Harmful if swallowed. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion of large amounts may cause central nervous system depression.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-58-3	Potassium hydroxide	5.00 - 15.0 %
7681-52-9	Sodium hypochlorite	1.00 - 5.00 %
NA	Surfactant	<5.00 %

## 4. FIRST AID MEASURES

### Emergency and First Aid

#### Procedures:

#### In Case of Inhalation:

Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If breathing has ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask. 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. Gently wash with plenty of soap and water. Wash contaminated clothing separately before reuse. Get medical advice/attention.

#### 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 after 5 minutes and continue rinsing for an additional 15 minutes. Get immediate medical advice/attention.

#### In Case of Ingestion:

Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

#### Note to Physician:

Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	NA	<b>Method Used:</b>	Estimate
<b>Explosive Limits:</b>	LEL: No data.		UEL: No data.
<b>Autoignition Pt:</b>	NA		
<b>Suitable Extinguishing Media:</b>	Foam, CO2, water fog, sand/earth.		
<b>Unsuitable Extinguishing Media:</b>	Do not use dry chemical extinguisher containing ammonium compounds.		
<b>Fire Fighting Instructions:</b>	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear. Use water spray to keep fire-exposed containers cool. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes.		
<b>Flammable Properties and Hazards:</b>	Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas. High temperatures and flames may produce: Toxic chlorine, Carbon monoxide, hydrogen chloride, Oxides of potassium, oxides of phosphorus, sodium oxide.		

### 6. ACCIDENTAL RELEASE MEASURES

<b>Protective Precautions, Protective Equipment and Emergency Procedures:</b>	Use proper personal protective equipment as indicated in Section 8.
<b>Environmental Precautions:</b>	Do not let product enter drains, sewers, watersheds or water systems.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Provide ventilation. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Do not let this chemical enter the environment.

### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Keep away from heat, sparks and flame. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.
<b>Precautions To Be Taken in Storing:</b>	Store in a cool, dry, well-ventilated area away from incompatible substances. Do not store in direct sunlight. Keep away from sources of ignition. Store in a tightly closed container. Protect containers against damage. Keep container closed when not in use.
<b>Other Precautions:</b>	Handle in accordance with good industrial hygiene and safety practices. 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 mg/m3	TLV: 2 mg/m3 CEIL: 2 mg/m3	No data.
7681-52-9	Sodium hypochlorite	PEL: 0.5 ppm as Cl2 STEL: 1 ppm as Cl2	TLV: 0.5 ppm as Cl2 STEL: 1 ppm as Cl2	No data.
NA	Surfactant	No data.	No data.	No data.



# SAFETY DATA SHEET

## In-Fact 750

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Supersedes Revision: 02/03/2020

<b>Respiratory Equipment (Specify Type):</b>	Avoid breathing vapors and mists. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with chlorine cartridges when concentrations are unknown.
<b>Eye Protection:</b>	Wear chemical splash goggles and a full-face shield where there is potential for eye contact.
<b>Protective Gloves:</b>	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.
<b>Other Protective Clothing:</b>	Wear appropriate protective clothing to prevent skin exposure. Chemical resistant apron. Chemical resistant boots.
<b>Engineering Controls (Ventilation etc.):</b>	Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
<b>Work/Hygienic/Maintenance Practices:</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid
<b>Appearance and Odor:</b>	Appearance: Clear. Yellowish. Liquid. Odor: chlorine-like.
<b>Melting Point:</b>	< 32.0 F (0 C)
<b>Boiling Point:</b>	> 212 F (100 C)
<b>Autoignition Pt:</b>	NA
<b>Flash Pt:</b>	NA Method Used: Estimate
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Specific Gravity (Water = 1):</b>	1.18
<b>Vapor Pressure (vs. Air or mm Hg):</b>	No data.
<b>Vapor Density (vs. Air = 1):</b>	No data.
<b>Evaporation Rate:</b>	No data.
<b>Solubility in Water:</b>	Complete
<b>pH:</b>	~ 12.28 - (1% SOLN)
<b>Percent Volatile:</b>	NA
<b>Molecular Formula &amp; Weight:</b>	Proprietary Mixture 0.0

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.
<b>Stability:</b>	Unstable [ ] Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Excess heat, Incompatible materials, Ignition sources.
<b>Incompatibility - Materials To Avoid:</b>	Strong acids, Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.
<b>Hazardous Decomposition Or Byproducts:</b>	High temperatures and flames may produce: Toxic chlorine, Carbon monoxide, hydrogen chloride, Oxides of potassium, oxides of phosphorus, sodium oxide. Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ] Will not occur [ X ]
<b>Conditions To Avoid -</b>	No data available.



## Hazardous Reactions:

**11. TOXICOLOGICAL INFORMATION****Toxicological Information:**

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# 1643-20-5:  
Acute toxicity, LD50, Dermal, Rabbit: > 2000 mg/kg  
Acute toxicity, LD50, Oral, Rat: 1064 mg/kg

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

**Irritation or Corrosion:**

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

**Carcinogenicity/Other Information:**

CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.  
CAS# 7681-52-9: 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.  
Other: Do not empty into drains.

**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# 1643-20-5:  
LC50, Fish, 2.67 mg/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 environmental regulations.  
RCRA P-Series: None listed.  
RCRA U-Series: None listed.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Corrosive Liquid, Basic, Inorganic, N.O.S. (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
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
7681-52-9	Sodium hypochlorite	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
NA	Surfactant	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

### 16. OTHER INFORMATION

**Revision Date:** 07/23/2014

**Additional Information About** No data available.

**This Product:**

**Company Policy or**

**Disclaimer:**

Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.



# IN-FACT 750 (Formerly In-Fact)

**SAME  
TRUSTED  
FORMULA**



## CHLORINATED FOAM CLEANER

### DANGER

Toxic to aquatic life. Harmful if swallowed.  
Causes severe skin burns and eye damage.

**Precautionary Statements:** Do not breathe mist/vapors/spray. Wear protective gloves, protective clothing, eye protection, and face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.

### First Aid:

IF ON SKIN (or hair): Immediately remove all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or a doctor.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or a doctor if you feel unwell.

SPECIFIC TREATMENT: See Section 4 of the SDS to reference supplemental first aid instruction if immediate measures are required.

**Storage/Disposal:** Dispose of contents and containers in accordance with local, regional, national, and international regulations.

**Supplemental Information:** This product may be fatal if swallowed in large amounts. Take proper precautions, especially when using this product in an enclosed or semi-enclosed area. At elevated temperatures, this product may react with the reducing sugars in foods and beverages to produce toxic carbon monoxide. When entering a tank, even an empty one, follow all appropriate confined entry procedures (ANSI Z117.1).

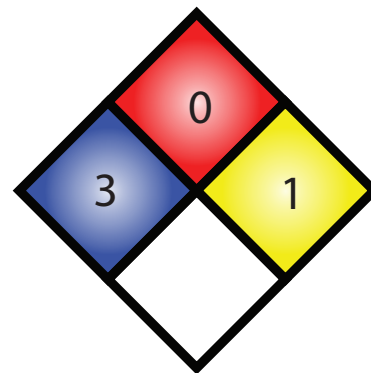
KEEP OUT OF REACH OF CHILDREN.



SHEPARD BROS., INC.  
503 S. CYPRESS ST.  
La Habra, CA 90631 • (562) 697-1366

CONTAINS: POTASSIUM HYDROXIDE, SODIUM HYPOCHLORITE. DO NOT MIX WITH ACID DETERGENTS - WILL PRODUCE HAZARDOUS VAPORS.

Contact your Shepard Bros., Inc. representative for more specific use instructions and recommended dispensing equipment.



Read safety data sheets for more detailed information.

PROPER SHIPPING NAME:

**UN3266,**  
CORROSIVE LIQUID, BASIC, INORGANIC,  
N.O.S. (POTASSIUM HYDROXIDE, SODIUM  
HYPOCHLORITE), 8, PGII

PRODUCT ID:

BATCH NO.:

NET CONTENTS:

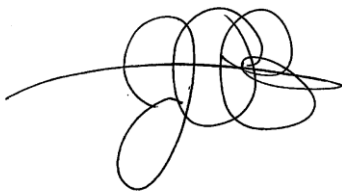
January 1, 2020

Based on current U.S. Food and Drug Administration Guidelines, this Letter of Guarantee certifies that the Shepard Bros., Inc. product, **In-Fact 750**, is safe and suitable as a general cleaning agent on all surfaces or for use with steam or mechanical cleaning devices in all departments of establishments processing food for human or animal consumption.

When used according to the product label directions and in accordance with Good Manufacturing Practice this product will have no deleterious effects on the foods being processed.

This product must be used, handled and stored in a manner that will not adulterate food products. Before using this compound, food products and packaging materials must be removed from the room or carefully protected. After using this compound, surfaces must be thoroughly rinsed with potable water. This product must always be used according to applicable label directions.

Sincerely,



Jose Arias  
Director of Compliance & Regulatory Affairs  
Shepard Bros., Inc.



SHEPARD BROS.

Shepard Bros., Inc.

503 S. Cypress St.

La Habra, CA 90631

(562) 697-1366

**In-Fact 750**

Chlorinated Cleaner Test Kit

**SBRTK5000-Z**

1. Fill test tube (0701) with syringe to 5 or 10 mL line with sample water.
2. Add 5 drops of Sodium Thiosulfate (ST2970), and mix.
3. Add 3 drops of Phenolphthalein indicator (PH1605), mix (solution will turn pink).
4. Add Sulfuric Acid 1.0 N (SA1625) drop-wise while swirling until the sample color turns clear.  
Count the number of drops. Hold bottle vertically.

5. Calculations:

**For 5 mL sample: 1 drop = 320 ppm alkalinity as sodium hydroxide (by weight)**

number of drops x 320 = to obtain ppm active alkalinity as Sodium Hydroxide (by weight)

number of drops x 0.25 = to obtain % product in solution (by volume)

number of drops x 0.334 = to obtain fl oz product/gallon

number of drops x 2500 to obtain ppm product in solution (by vol)

**Example:** 5.0 fl-oz/gal = 15 drops

1.0 fl-oz/ gal = 3 drops

1% product in solution by volume = 4 drops

**For 10 mL sample: 1 drop = 160 ppm alkalinity as sodium hydroxide (by weight)**

number of drops x 160 = to obtain ppm active alkalinity as Sodium Hydroxide (by weight)

number of drops x 0.143 = to obtain % product in solution (by volume)

number of drops x 0.2 = to obtain fl oz product/gallon

number of drops x 1430 to obtain ppm product in solution (by vol)

**Example:** 5.0 fl-oz/gal = 25 drops

1.0 fl-oz/ gal = 5 drops

1% product in solution by volume = 7 drops

**NOTE:** For accuracy and consistency hold the dropper bottle in a vertical position during the titration.



SHEPARD BROS.

Shepard Bros., Inc  
503 S. Cypress St.  
La Habra, CA 90631  
(562) 697-1366

**IN-FACT 750**  
Chlorinated Cleaner Test Kit  
**SBRTK5050-Z**

1. Pipet 1 mL sample water into test tube or fill test tube (0701) to 5 or 10mL line with sample water.
2. Add 3 drops of Phenolphthalein indicator (PH1605), mix (solution will turn pink)
3. If sample doesn't turn pink, add 5 drops of Sodium Thiosulfate (ST2970), and additional 3 drops of Phenolphthalein indicator, mix.
4. Add Sulfuric Acid 0.5N (SA7590) drop-wise while swirling until the sample color turns clear. Count the number of drops. Hold bottle vertically.
5. **TO TEST CONCENTRATED SOLUTIONS:**

**\*\*\*Use 1 mL sample: 1 drop = 800 ppm alkalinity as sodium hydroxide (by weight)**

number of drops x 800 = to obtain ppm active alkalinity as Sodium Hydroxide (by weight)

number of drops x 0.834 = to obtain % product in solution (by volume)

number of drops x 1.0 = to obtain fl-oz product/gallon

number of drops x 8340 to obtain ppm product in solution (by vol)

**Example:** 5 % product in solution by volume = 6 drops

8 % product in solution by volume = 10 drops

10 % product in solution by volume = 12 drops

5.0 fl-oz/gal = 5 drops

10 fl-oz/gal = 10 drops

**TO TEST CONCENTRATED SOLUTIONS:**

**\*\*\*Use 5 mL sample: 1 drop = 160 ppm alkalinity as sodium hydroxide (by weight)**

number of drops x 160 = to obtain ppm active alkalinity as Sodium Hydroxide (by weight)

number of drops x 0.143 = to obtain % product in solution (by volume)

number of drops x 0.2 = to obtain fl-oz product/gallon

number of drops x 1430 to obtain ppm product in solution (by vol)

**Example:** 1% product in solution by volume = 7 drops

2 % product in solution by volume = 14 drops

1.0 fl-oz/gal = 5 drops

2.0 fl-oz/gal = 10 drops

3.0 fl-oz/ gal = 15 drops

**TO TEST DILUTED SOLUTIONS:**

**\*\*\*Use 10 mL sample: 1 drop = 80 ppm alkalinity as sodium hydroxide (by weight)**

number of drops x 80 = to obtain ppm active alkalinity as Sodium Hydroxide (by weight)

number of drops x 0.084 = to obtain % product in solution (by volume)

number of drops x 0.111 = to obtain fl-oz product/gallon

number of drops x 840 to obtain ppm product in solution (by vol)

**Example:** 1% product in solution by volume = 12 drops

1.0 fl-oz/gal = 9 drops

1.0 fl-oz/ 2 gal = 5 drops

1.0 fl-oz/ 3 gal = 3 drops

**NOTE:** For accuracy and consistency hold the dropper bottle in a vertical position during the titration.