

# Domolish SG-15



## Technical Dossier

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S H E P A R D   B R O S .   I N C .

# DOMOLISH SG-15

Liquid Mild Alkaline Cleaner and Degreaser

## PRODUCT DESCRIPTION

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**Domolish SG-15** is a concentrated liquid blend of alkaline cleaners, detergents, wetting agents and solvents specifically formulated for general purpose, hard surface cleaning and degreasing.

## ADVANTAGES AND BENEFITS

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- Versatile, multi-job, general purpose cleaner and degreaser ideal for cleaning floors, walls, countertops, and other hard surfaces
- Effectively removes soils, fats, oils and greases
- Easily diluted to any use concentration
- Works in all water conditions
- Non-abrasive - won't scratch surfaces
- Non-corrosive – safe for all metal, plastic and painted surfaces
- Moderate, stable foam formation
- Clear, free rinsing
- Environmentally friendly formulation

## USE DIRECTIONS

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Consult your Shepard Bros., Inc. representative for specific use instructions for your application.

## PROPERTIES AND SAFE HANDLING

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A Material Safety Data Sheet containing detailed information on the properties and safe handling of **Domolish SG-15** is available on request and should be carefully reviewed prior to using this product.

(Rev. 7/12)

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

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** DSG15  
**Product Name:** Domolish SG-15  
**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:**

## 2. HAZARDS IDENTIFICATION

**Acute Toxicity: Inhalation, Category 4**

**Serious Eye Damage/Eye Irritation, Category 2**



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H332 - Harmful if inhaled.  
H319 - Causes serious eye irritation.

**GHS Precautionary Phrases:** P271 - Use only outdoors or in a well-ventilated area.  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**GHS Response Phrases:** 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.  
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.  
P332+313 - If skin irritation occurs, get medical advice/attention.

**GHS Storage and Disposal Phrases:** No phrases apply.

**Other Hazards:** Causes mild skin irritation.

**Potential Health Effects (Acute and Chronic):** Chronic: Sophisticated modeling has clearly proven that 2-butoxyethanol does not build up in the body under any kinds of normal use.

**Inhalation:** Avoid breathing vapors or mists. Material may be irritating to mucous membranes and upper respiratory tract. May cause central nervous system effects such as nausea and headache. May cause narcotic effects in high concentration. High concentrations may cause acute pulmonary edema.

**Skin Contact:** Harmful if absorbed through the skin.

**Eye Contact:** Causes eye irritation. Causes redness and pain.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Can burn mouth, throat and stomach.



# SAFETY DATA SHEET

## Domolish SG-15

Page: 2 of 7

Printed: 08/11/2020

Revision: 02/03/2020

Supersedes Revision: 07/22/2013

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
111-76-2	Ethylene glycol monobutyl ether	1.0 -5.0 %
112-34-5	Diethylene glycol monobutyl ether	1.0 -5.0 %

### 4. FIRST AID MEASURES

#### Emergency and First Aid Procedures:

<b>In Case of Inhalation:</b>	Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention immediately.
<b>In Case of Skin Contact:</b>	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 aid if irritation develops and persists.
<b>In Case of Eye Contact:</b>	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 medical attention if irritation persists.
<b>In Case of Ingestion:</b>	If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Get immediate medical advice/attention.
<b>Note to Physician:</b>	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

### 5. FIRE FIGHTING MEASURES

<b>Flash Pt:</b>	NA
<b>Explosive Limits:</b>	LEL: No data. UEL: No data.
<b>Autoignition Pt:</b>	No data.
<b>Suitable Extinguishing Media:</b>	Foam, CO2, water fog, sand/earth.
<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. Combustible liquid and vapor. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Containers can build up pressure if exposed to heat (fire). Containers may explode in the heat of a fire. Use water spray to keep fire-exposed containers cool.
<b>Flammable Properties and Hazards:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.
<b>Hazardous Combustion Products:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

### 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. 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.

### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Use with adequate ventilation. Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep away from heat, sparks and flame. Keep away from sources of ignition. Keep away from oxidizing agents.
<b>Precautions To Be Taken in Storing:</b>	Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from sources of ignition. Keep away from heat, sparks and flame. Do not store in direct sunlight. Keep away from oxidizing agents. 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
111-76-2	Ethylene glycol monobutyl ether	PEL: 50 ppm	TLV: 20 ppm	No data.
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
111-76-2	Ethylene glycol monobutyl ether	NIOSH	TWA: 5 ppm	

<b>Respiratory Equipment (Specify Type):</b>	Avoid breathing vapors and mists. Avoid generating mists or sprays to significantly reduce risk of respiratory exposure. If ventilation is not sufficient to effectively prevent buildup of vapors or mists and the exposure limit is exceeded, use a NIOSH/MSHA approved respirator.
<b>Eye Protection:</b>	Wear safety glasses with side shields or chemical splash goggles. 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.
<b>Engineering Controls (Ventilation etc.):</b>	Ensure adequate ventilation, especially in confined areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Appearance: Transparent. Medium yellow to light brown. Liquid.  
Odor: Pleasant.

**pH:** 10.5 - (10% soln)

**Melting Point:** < 32.00 F

**Boiling Point:** NA

**Flash Pt:** NA

**Evaporation Rate:** NA

**Flammability (solid, gas):** No data available.

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

**Vapor Pressure (vs. Air or mm Hg):** NA

**Vapor Density (vs. Air = 1):** NA

**Specific Gravity (Water = 1):** ~ 1.025

**Density:** ~ 8.54 LB/GA

**Bulk density:** NA

**Solubility in Water:** Complete

**Saturated Vapor Concentration:** NA

**Octanol/Water Partition Coefficient:** No data.

**Autoignition Pt:** No data.

**Decomposition Temperature:** No data.

**Viscosity:** NA

**Particle Size:** NA

**Heat Value:** NA

**Corrosion Rate:** NA

**Molecular Formula & Weight:** Proprietary Mixture 0.0

**10. STABILITY AND REACTIVITY**

**Reactivity:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

**Stability:** Unstable [ ] Stable [X]

**Conditions To Avoid - Instability:** Excess heat, Incompatible materials, Ignition sources.

**Incompatibility - Materials To Avoid:** Strong oxidizing agents, Strong acids.

**Hazardous Decomposition or Byproducts:** High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [X]

**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicological Information:</b>	<p>Epidemiology: No information available.</p> <p>Teratogenicity: No information available.</p> <p>Reproductive Effects: No information available.</p> <p>Mutagenicity: No information available.</p> <p>Neurotoxicity: No information available. No information available.</p> <p>Teratogenicity: No information available.</p> <p>Reproductive Effects: No data available.</p> <p>Mutagenicity: No information available.</p> <p>Neurotoxicity: No data available.</p> <p>Other Studies: CAS# 111-76-2:            Acute toxicity, LC50, Inhalation, Rat, 450.0 ppm, 4 H.            Acute toxicity, LD50, Oral, Rat, 470.0 mg/kg            Acute toxicity, LD50, Skin, Rabbit, 220.0 mg/kg.</p> <p>Other Studies: CAS# 112-34-5:            Acute toxicity, LD50, Oral, Rat, 5660 mg/kg.</p>
<b>Irritation or Corrosion:</b>	<p>Other Studies: CAS# 111-76-2:            Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24 H.</p> <p>Other Studies: CAS# 112-34-5:            Standard Draize Test, Eyes, Species: Rabbit, 20.0 mg, 24 H.</p>
<b>Sensitization:</b>	<p>Skin sensitization testing with human volunteers produced negative results. A skin notation is not recommended by ACGIH, based on estimates from physiologically based pharmacokinetic models which indicate that, even in worst-case dermal-exposure scenarios, 2-butoxyethanol is not absorbed in amounts sufficient to cause red blood cell hemolysis in humans.</p>
<b>Carcinogenicity/Other Information:</b>	<p>CAS# 111-76-2: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.</p>
<b>Carcinogenicity:</b>	<p>NTP? No      IARC Monographs? No      OSHA Regulated? No</p>

## 12. ECOLOGICAL INFORMATION

<b>General Ecological Information:</b>	<p>Physical: No information found.</p>
<b>Results of PBT and vPvB assessment:</b>	<p>Other Studies: CAS# 111-76-2:            LC50, Water Flea (Daphnia magna), 1720 mg/l, 24 H            LC50, Common Shrimp, Sand Shrimp (Crangon crangon), 775000 ug/l, 96 H            LC50, Amphipod (Chaetogammarus marinus), young organism(s), 1000 mg/l, 24 H.</p> <p>Other Studies: CAS# 112-34-5:            LC50, Water Flea(Daphnia magna), 2850 mg/l, 24 H, Intoxication            LC50, Carp (Leuciscus idus ssp. melanotus), 1805 mg/l, 48 H, Mortality.</p>
<b>Persistence and Degradability:</b>	<p>No data available.</p>
<b>Bioaccumulative Potential:</b>	<p>An estimated BCF value of 2.5 was calculated for ethylene glycol mono-n-butyl ether, using an experimental log Kow of 0.83 and a recommended regression-derived equation. According to a recommended classification scheme, this BCF value suggests that bioconcentration in aquatic organisms is low.</p>
<b>Mobility in Soil:</b>	<p>TERRESTRIAL FATE: Based on a recommended classification scheme, an estimated Koc value of 67, determined from an experimental log Kow and a recommended regression-derived equation, indicates that ethylene glycol mono-n-butyl ether is</p>

expected to have high mobility in soil.

### 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:** NOT REGULATED FOR DOMESTIC TRANSPORT.

**DOT Hazard Class:**

**UN/NA Number:**

### 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)
111-76-2	Ethylene glycol monobutyl ether	No	No	Yes-Cat. N230
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230

**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explosive	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute toxicity (any route of exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Flammable (gases, aerosols, liquid, or solid)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Combustible Dust		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Physical) Hazard Not Otherwise Classified (HNOC)		

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
111-76-2	Ethylene glycol monobutyl ether	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIa, Title 8
112-34-5	Diethylene glycol monobutyl ether	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Yes - Cat.

**Regulatory Information:** PROPOSITION 65 (Chemicals known to the state of California to cause cancer or reproductive toxicity): Trace (CAS #75-21-8) ethylene oxide



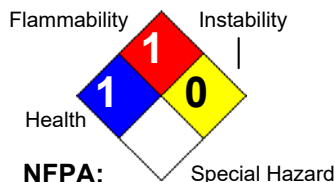
### 16. OTHER INFORMATION

**Revision Date:** 02/03/2020  
**Preparer Name:** Crystal Maira

**Hazard Rating System:**

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL</b>	<b>0</b>
<b>PPE</b>	<b>B</b>

**HMIS:**



**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.

# Domolish SG-15

(Formerly Flex SG-15)

**SAME  
TRUSTED  
FORMULA**

## LIQUID DEGREASER AND CLEANER



### WARNING

Harmful if inhaled.  
Causes mild skin irritation.  
Causes serious eye irritation.

**Precautionary Statements:** Avoid breathing mist/vapors/spray. Wear protective gloves, protective clothing, eye protection, and face protection. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area.

### First Aid:

IF ON SKIN: If skin irritation occurs, get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.  
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 harmful if swallowed. Take proper precautions, especially when using this product in an enclosed or semi-enclosed area. Use proper tank-entry precautions.

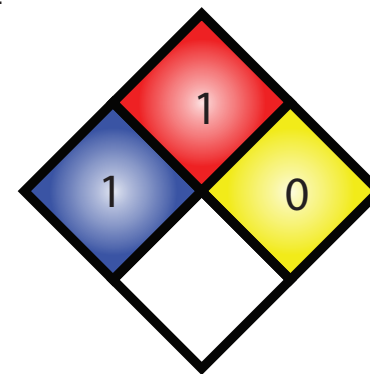
KEEP OUT OF REACH OF CHILDREN.



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

CONTAINS: 2-BUTOXYETHANOL. AVOID CONTACT WITH SKIN OR EYES. AVOID BREATHING OF VAPORS OR MISTS.

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: NOT REGULATED FOR DOMESTIC TRANSPORT.

PRODUCT ID:

BATCH NO.:

NET CONTENTS:

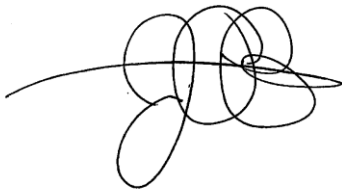
January 1, 2020

Based on current U.S. Food and Drug Administration Guidelines, this Letter of Guarantee certifies that the Shepard Bros., Inc. product, **Domolish SG-15**, is safe and suitable as a floor and wall cleaner for use 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., Inc.  
503 S. Cypress St.  
La Habra, CA 90631

SHEPARD BROS. (562) 697-1366

**Domolish SG-15**  
Alkalinity Test Kit  
**SBRTK1023-Z**

1. Rinse vial 3 times with tap water.
2. Fill bottle to 25 mL mark with water used to dilute the product.
3. Add 5 drops of Total Alkalinity Indicator (AI6925), and swirl to mix. The solution should turn green.
4. Add Alkalinity Titrant High (SA1595) dropwise while swirling, until the sample color changes from green to red. Record number of drops. Hold dropper vertically. This result is the number of drops from blank.
5. Rinse vial 3 times with solution to be tested.
6. Fill bottle to 25 mL mark with sample solution to be tested.
7. Repeat Step 3 and 4. Record number of drops for sample.

**CALCULATION:**

**Subtract number of drops from sample minus number of drops from blank.**

**Multiply by:**

number of drops x 40 to obtain ppm alkalinity as Sodium Hydroxide (by weight)  
number of drops x 50 to obtain ppm alkalinity as Calcium Carbonate (by weight)  
number of drops x 0.8 = % product in solution  
number of drops x 1.0 to obtain fl-oz product/gal  
number of drops x 8000 = ppm product in solution

**Example:** 3% solution = 4 drops

5% solution = 7 drops

5 fl-oz/gal = 5 drops

10 fl-oz/gal = 10 drops

20 fl-oz/gal = 20 drops

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