

# Dyna Foam 700 NK



## Technical Dossier

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### Table of Contents

- Technical Bulletin
- SDS
- Label
- Letter of Guarantee
- Titration Procedure



S H E P A R D   B R O S .   I N C .

# DYNA FOAM 700 NK

## Self-Foaming Alkaline Cleaner

### DESCRIPTION

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**DYNA FOAM 700 NK** is a concentrated, self-foaming, highly alkaline blend of caustic, detergents, surface active agents, and water conditioners. It is designed to remove carbonized grease residues, smoke deposits, food soils, oil, and other tenacious soils from smokehouses and fryers.

**DYNA FOAM 700 NK** is also recommended for use on conveyor belts and frameworks, ductwork, potato and meat processing equipment, mixers, kettles, fryer hoods, and other general food processing equipment.

### PROPERTIES AND PROPERTIES

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- Water conditioners provide excellent hard water performance.
- Liquid Formulation allows for easy dispensing, no mixing problems.
- Contains caustic for extra heavy-duty cleaning.
- Quality foam clings to surfaces longer for better cleaning results.
- Special blend of surfactants for quick, easy rinsing.
- Active ingredients rapidly penetrate the most difficult cooked-on food soils.

### DIRECTIONS

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**FOAM-CLEANING:** Use 3 – 6 fl. oz. of **DYNA FOAM 700 NK** per gallon of hot water (130°F - 150 °F). For highly carbonized soils and "burnt on" soils, 6 – 10 fl. oz. of **DYNA FOAM 700 NK** may be required. Allow a contact time of 5 minutes, then rinse thoroughly.

**CONCRETE FLOORS:** Use 6 fl. oz. of **DYNA FOAM 700 NK** per gallon of water for heavily soiled floors and to remove forklift traffic buildup.

**NOTE:** After all cleaning operations, rinse thoroughly with potable water.

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

(Rev. 11/16)

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.

## PROPERTIES AND SAFE HANDLING

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A Safety Data Sheet containing detailed information regarding the properties and safe handling of **DYNA FOAM 700 NK** is available on request and should be reviewed prior to using this product.

(Rev. 11/16)

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Shepard Bros., Inc.

503 S. Cypress St. La Habra, CA 90631

(800) 645-3594

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** DF700NK  
**Product Name:** Dyna Foam 700 NK  
**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

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



**GHS Signal Word:** **Danger**

**GHS Hazard Phrases:** H314 - Causes severe skin burns and eye damage.

**GHS Precautionary Phrases:** P260 - Do not breathe 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:** 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.  
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310 - Immediately call a POISON CENTER or doctor/physician.  
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 and containers in accordance with local, regional, national, and international regulations.

**Potential Health Effects (Acute and Chronic):** Chronic: Effects may be delayed.

**Inhalation:** May be harmful if inhaled. Can cause burns of mucous membranes, throat, esophagus, and stomach. Can produce delayed pulmonary edema.

**Skin Contact:** Causes severe skin irritation. Can cause severe injury (reddening and swelling). May cause deep, penetrating ulcers of the skin. Can cause chemical burn.

**Eye Contact:** Corrosive. Will cause eye burns and permanent tissue damage. Causes rapid tissue damage. Eye damage may be delayed.

**Ingestion:** Causes severe digestive tract burns with abdominal pain and vomiting. May cause perforation of the digestive tract. May cause severe and permanent damage to the digestive tract. May be fatal if swallowed.



# SAFETY DATA SHEET

## Dyna Foam 700 NK

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide	<30.0 %
1310-58-3	Potassium hydroxide	<20.0 %
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	<10.0 %

### 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. 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.
<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 advice/attention.
<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 immediate medical advice/attention.
<b>In Case of Ingestion:</b>	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.
<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>	NA
<b>Suitable Extinguishing Media:</b>	Foam, CO <sub>2</sub> , 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. 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>	Contact of this product with many "active" metals such as aluminum, copper and zinc, can cause formation of flammable hydrogen gas. High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sodium, potassium.
<b>Hazardous Combustion Products:</b>	No data available.



# SAFETY DATA SHEET

## Dyna Foam 700 NK

### 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. Spill area may be neutralized with a weak acetic acid solution.

### 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.
<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 oxidizing agents. Do not store in direct sunlight. Avoid contact with strong acids and "soft" metals. 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
1310-73-2	Sodium hydroxide	PEL: 2 mg/m <sup>3</sup>	CEIL: 2 mg/m <sup>3</sup>	No data.
1310-58-3	Potassium hydroxide	No data.	CEIL: 2 mg/m <sup>3</sup>	No data.
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	No data.	No data.	No data.

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
1310-73-2	Sodium hydroxide	NIOSH	CEIL: 2 mg/m <sup>3</sup>	
1310-58-3	Potassium hydroxide	NIOSH	TWA: 1 mg/m <sup>3</sup> CEIL: 2 mg/m <sup>3</sup>	

<b>Respiratory Equipment (Specify Type):</b>	Avoid breathing vapors and mists. Use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with dust/mist 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 boots. Chemical resistant apron.
<b>Engineering Controls (Ventilation etc.):</b>	Use adequate general or local exhaust ventilation to minimize exposure levels. Local exhaust is suggested for use in enclosed or confined areas. 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: Transparent. Brown. Liquid. Odor: Odorless.	
<b>pH:</b>	> 13 (1% sol) at 25.0 C	
<b>Melting Point:</b>	< 32.00 F	
<b>Boiling Point:</b>	> 212.00 F	
<b>Flash Pt:</b>	NA	
<b>Evaporation Rate:</b>	NA	
<b>Flammability (solid, gas):</b>	No data available.	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA	
<b>Vapor Density (vs. Air = 1):</b>	NA	
<b>Specific Gravity (Water = 1):</b>	1.44	
<b>Density:</b>	NA	
<b>Bulk density:</b>	NA	
<b>Solubility in Water:</b>	Complete	
<b>Saturated Vapor Concentration:</b>	NA	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Percent Volatile:</b>	NA	
<b>VOC / Volume:</b>	NA	
<b>HAP / Volume:</b>	NA	
<b>Autoignition Pt:</b>	NA	
<b>Decomposition Temperature:</b>	NA	
<b>Viscosity:</b>	NA	
<b>Particle Size:</b>	NA	
<b>Heat Value:</b>	NA	
<b>Corrosion Rate:</b>	NA	

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sodium, potassium, 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>	High temperatures, Incompatible materials, Ignition sources.
<b>Incompatibility - Materials To Avoid:</b>	Strong acids, Strong oxidizers, 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>	When a confined space entry must be made, even into an empty tank, be sure to follow all appropriate confined entry procedures. High temperatures and fire conditions can result in the formation of carbon monoxide and carbon dioxide, and oxides of: sodium, potassium.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]



# SAFETY DATA SHEET

## Dyna Foam 700 NK

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

### 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. 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

**Irritation or Corrosion:** Other Studies: CAS# 1310-73-2  
Acute toxicity, LDLO, Oral, Species: Rabbit, 500.0 mg/kg.  
Other Studies: CAS# 1310-58-3:  
Standard Draize Test, Skin, Species: Rabbit, 50.0 mg, 24H

Other Studies: CAS# 1310-73-2  
Standard Draize Test, Eyes, Species:Rabbit, 50.0 ug, 24H  
Standard Draize Test, Skin, Species: Rabbit, 500 mg, 24H.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### 12. ECOLOGICAL INFORMATION

**General Ecological Information:** Environmental: No information available.  
Physical: No information available.

Other Studies: CAS# 1310-58-3:  
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 80000 ug/L, 96H, Mortality

Other Studies: CAS# 1310-73-2:  
LC50, Common Shrimp, Sand Shrimp (Crangon crangon), adult(s), 33000 - 100000 ug/L, 48H  
LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000 ug/L, 96H  
LC50, Cockle (Cerastoderma edule), adult(s) 330000 - 1000000 ug/L, 48H  
LC50, Guppy (Poecilia reticulata)}, young organism(s), 196.0 mg/L, 96H.

**Results of PBT and vPvB assessment:** No data available.

**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.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Corrosive liquids, n.o.s. (Potassium Hydroxide, Sodium Hydroxide)  
**DOT Hazard Class:** 8 CORROSIVE  
**UN/NA Number:** UN1760 **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)
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
1310-58-3	Potassium hydroxide	No	Yes 1000 LB	No
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	No	No	No

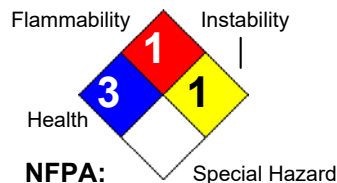
**This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:**

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Explosive	<input type="checkbox"/> Yes <input checked="" 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 type="checkbox"/> Yes <input checked="" 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
1310-73-2	Sodium hydroxide	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8
1310-58-3	Potassium hydroxide	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8
68515-73-1	D-Glucopyranose, oligomeric, decyl octyl glycosides	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No

## 16. OTHER INFORMATION

**Revision Date:** 06/10/2020  
**Preparer Name:** Jose Arias (562)697-1366  
**Hazard Rating System:**



**Additional Information About This Product:** 8/9/2015 - SDS updated with formulary change.

**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.

# DYNA FOAM 700 NK

(Formerly Quick Klean 1053)

HEAVY DUTY FOAMING DEGREASER

SAME  
TRUSTED  
FORMULA

## DANGER

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.

## Response Phrases:

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.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or a doctor.

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.

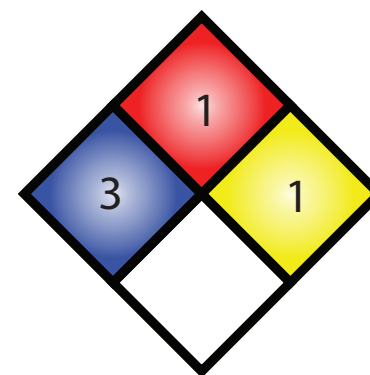
**Supplemental Information:** This product may be fatal if swallowed. At elevated temperatures, this product may react with the reducing sugars in foods and beverages to produce toxic carbon monoxide. When entering a tank, even an empty one, follow all appropriate confined entry procedures (ANSI Z117.1).

KEEP OUT OF REACH OF CHILDREN.

Read safety data sheets for more detailed information.

CONTAINS: SODIUM HYDROXIDE, POTASSIUM HYDROXIDE, D-GLUCOPYRANOSE, OLIGOMERIC, DECYL OCTYL GLYCOSIDES. AVOID CONTACT WITH ACIDS AND OXIDIZERS, AND ACTIVE METALS SUCH AS ALUMINUM, COPPER AND ZINC.

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



PROPER SHIPPING NAME:

# UN3266,

CORROSIVE LIQUIDS, BASIC, INORGANIC,  
N.O.S. (SODIUM HYDROXIDE, POTASSIUM  
HYDROXIDE), 8, PGII

PRODUCT ID:

BATCH NO.:

NET CONTENTS:



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

January 1, 2020

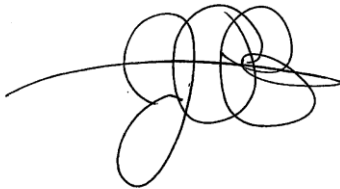
Based on current U.S. Food and Drug Administration Guidelines, this Letter of Guarantee certifies that the Shepard Bros., Inc. product, **Dyna Foam 700 NK**, is safe and suitable as a degreaser or carbon remover for food cooking or smoking equipment, utensils, or other associated surfaces in all departments of establishments processing food for human or animal consumption.

Before using this product, food products and packaging materials must be removed from the area or carefully protected. After using this product, all surfaces must be thoroughly rinsed with potable water. This product must be used in a manner so that all odors associated with this product are dissipated before food products or packaging materials are re-exposed in the area.

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. 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

**Dyna Foam 700 NK**  
Caustic Soda Test Kit  
**SBRTK3000-Z**

1. Rinse vial 3 times with solution to be tested.
2. Fill bottle to the 10 mL mark with sample.
3. Add 3 drops of Phenolphthalein indicator (PH1605), and swirl to mix. The solution should turn pink.
4. Add Hydrochloric Acid 7.7N (HA6207), dropwise while stirring until the sample returns to its original color. Hold dropper vertically. Count number of drops added.

Results:

5. **If using 10 mL sample multiply:**

Multiply number of drops x 0.1 to obtain % alkalinity as Caustic Soda (by weight)

Multiply # of drops x 1000 = ppm alkalinity as Caustic Soda (by weight)

Multiply number of drops x 0.167 to obtain % product (by volume)

Multiply number of drops x 0.25 to obtain fl-oz product/gal (by vol)

Multiply number of drops x 1670 to obtain ppm product in solution

**Example:** 1% solution by vol = 6 drops

2% solution by vol = 12 drops

1 fl-oz/gal = 4 drops

2 fl-oz/gal = 8 drops

**If using 5 mL sample multiply:**

Multiply number of drops x 0.2 to obtain % alkalinity as Caustic Soda (by weight)

Multiply # of drops x 2000 = ppm alkalinity as Caustic Soda (by weight)

Multiply number of drops x 0.334 to obtain % product (by volume)

Multiply number of drops x 0.50 to obtain fl-oz product/gal (by vol)

Multiply number of drops x 3340 to obtain ppm product in solution

**Example:** 2% solution by vol = 6 drops

3% solution by vol = 9 drops

4% solution by vol = 12 drops

2 fl-oz/gal = 4 drops

3 fl-oz/gal = 6 drops

4 fl-oz/gal = 8 drops

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