

**MSDS - Material Safety Data Sheet****Product Name: BOWL-SAN EPA Reg No.1839-104-1770**

MSDS No.: G173

**I. Basic Information:****Manufacturer:** GRIFFIN BROS. Inc.**Address:** P.O. Box 42194**City, ST Zip:** Portland, OR 97242**Emergency / Information** 800-456-4743**Last Update:**3/29/99**Chemical State:**  Liquid  Gas  Solid**24 Hour Emergency**  
CHEMTREC 800-424-9300**Chemical Type:**  Pure  Mixture**II. Ingredients:**

CAS No.	Chemical Name	% Range	EHS	NTP	IARC	SUB	Z	SARA 313	OSHA PEL	ACGIH TLV	Other Limits
0	n-alkyl (60%C14, 30%C16, 5%C12 5%C18)										
0	n-alkyl (68%c12,32%C14)dimethylbenzyl ammonium chlorides.								none	none	none
9016459	Ethoxylated alkylphenol								none	none	none
7647010	Hydrochloric acid								N/A	5ppm	N/A

**III. Hazardous Identification:**

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
PERSONAL PROTECTION	

**IV. First Aid Measures:****Route(s) of Entry:**

Eyes, Skin. Ingestion.

**Health Hazards (Acute and Chronic):**

Eyes-Direct contact can cause eye damage../Skin-Irritation../Ingestion-burning sensation in mouth, throat and abdomen.

**Signs and Symptoms:**

Eyes-Burning and redness, Irritation../Skin-Irritation../Ingestion-burning sensation in mouth,throat, digestive tract and abdomen.

**Medical Conditions Generally Aggravated by Exposure:**

Dermatitis.

**Emergency and First Aid Procedures:**

Eyes-Rinse with water for 15 minutes. Call a physician if irritation persists../Skin Rinse with plenty of water../Ingestion-Drink lots of water. Call a physician.

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**V. Fire Fighting Measures:**

Flash Point: n/a Lower Explosive Limit: n/a Upper Explosive Limit: n/a

Fire Extinguishing Media: n/a

Special Fire Fighting Procedures:

n/a

Unusual Fire and Explosion:

n/a

**VI. Accidental Release Measures:**

Steps to be Taken in Case Material is Released or Spilled:

Mop up and rinse. Can be neutralized with soda ash or lime.

**VII. Handling and Storage:**

Precautions to be Taken:

Avoid storing below 32F and over 100F.

Other Precautions:

**VIII. Exposure Controls/Personal Protection:**

Ventilation Requirements:

None needed.

Personal Protective Equipment:

Rubber gloves. Safety glasses if contact likely.

**IX. Physical and Chemical Properties:**Boiling Point: 212F Specific Gravity (H<sub>2</sub>O = 1) 1.02 Melting Point: n/a Evaporation Rate: 1

Vapor Pressure (mm Hg.): n/a Vapor Density (AIR = 1): n/a

Solubility In Water: 100%

Appearance and Odor: blue liquid, acid odor

**X. Stability and Reactivity:**

Stability:

Stable

Incompatibility (Materials to Avoid):

Alkalies or amines.

Decomposition/By Products:

Heating will evolve HCL gas.

Hazardous Polymerization:

will not occur.

**XIII. Disposal Considerations:**

Dispose of according to Federal, State or Local regulations.