

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Code:** MORGAN-255-BULK  
**Product Name:** BRC-GM  
**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  
**Information:** +1 (562)695-1232

**2. HAZARDS IDENTIFICATION**

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

**Acute Toxicity: Oral, Category 4**

**Skin Corrosion/Irritation, Category 3**

**Acute Toxicity: Inhalation, Category 4**



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

**GHS Hazard Phrases:** H302 - Harmful if swallowed.  
H316 - Causes mild skin irritation.  
H319 - Causes serious eye irritation.  
H332 - Harmful if inhaled.

**GHS Precaution Phrases:** P261 - Avoid breathing fume/mist/vapors/spray.  
P264 - Wash hands thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves/protective clothing/eye 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.  
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P311 - Call a POISON CENTER or doctor/physician.  
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.  
P302+352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+313 - If skin irritation occurs, get medical advice/attention.

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

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

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

**Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.  
**Skin Contact:** Causes skin irritation. May be harmful if absorbed through the skin.  
**Eye Contact:** Causes eye irritation. Causes eye burns.  
**Ingestion:** Harmful if swallowed. May cause irritation of the digestive tract.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
6834-92-0	Sodium metasilicate	< 5.0 %
67-63-0	Isopropyl Alcohol	< 2.0 %
111-76-2	Glycol Ether EB	< 5.0 %
NA	Surfactant	< 5.0 %
1310-73-2	Sodium hydroxide	< 2.0 %

### 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.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical aid immediately.
- 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 immediate medical advice/attention.
- In Case of Ingestion:** Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. 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:** NP
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** NA
- Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or appropriate foam. Substance is noncombustible; use agent most appropriate to extinguish surrounding fire.
- 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. The product itself does not burn.
- 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:** Observe all federal, state, and local environmental regulations. Do not let product enter drains, sewers, watersheds or water systems.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Prevent further leakage or spillage if safe to do so. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid breathing vapors, mist or gas.

## 7. HANDLING AND STORAGE

**Precautions To Be Taken in Handling:** Do not get in eyes, on skin, or on clothing. Do not ingest or inhale.

**Precautions To Be Taken in Storing:** Keep away from acids. Keep container tightly closed in a dry and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
6834-92-0	Sodium metasilicate	No data.	No data.	No data.
67-63-0	Isopropyl Alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
111-76-2	Glycol Ether EB	PEL: 50 ppm	TLV: 20 ppm	No data.
NA	Surfactant	No data.	No data.	No data.
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	No data.

**Respiratory Equipment (Specify Type):** A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

**Eye Protection:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**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.):** 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical States:</b>	[ ] Gas [ X ] Liquid [ ] Solid	
<b>Appearance and Odor:</b>	orange. Transparent.	
<b>Melting Point:</b>	NP	
<b>Boiling Point:</b>	NP	
<b>Decomposition Temperature:</b>	NA	
<b>Autoignition Pt:</b>	NA	
<b>Flash Pt:</b>	NP	
<b>Explosive Limits:</b>	LEL: No data.	UEL: No data.
<b>Specific Gravity (Water = 1):</b>	1.047 - 1.057	
<b>Density:</b>	NA	
<b>Bulk density:</b>	NA	
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NP	
<b>Vapor Density (vs. Air = 1):</b>	NP	
<b>Evaporation Rate:</b>	NP	
<b>Solubility in Water:</b>	100%	

**Saturated Vapor Concentration:** NP  
**Viscosity:** NP  
**pH:** 12.5 - 13.5  
**Percent Volatile:** No data.  
**Particle Size:** NA  
**Heat Value:** NA

## 10. STABILITY AND REACTIVITY

**Stability:** Unstable [  ] Stable [  ]  
**Conditions To Avoid - Instability:** Incompatible materials, Excess heat.  
**Incompatibility - Materials To Avoid:** Acids, Strong oxidizing agents.  
**Hazardous Decomposition Or Byproducts:** No data available.  
**Possibility of Hazardous Reactions:** Will occur [  ] Will not occur [  ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

**Toxicological Information:** Epidemiology: No information found.  
Reproductive Effects: No information available.  
Teratogenicity: No information available.  
Mutagenicity: No information available.  
Neurotoxicity: No information available.

CAS# NA: Surfactant: Acute toxicity, LD50, Oral, Rat, 960.0 - 3980. MG/KG. Result: Blood:Tumors. Immunological Including Allergic: Autoimmune (multiple organ involvement).  
Acute toxicity, LD50, Dermal, Rabbit, 2000. - 2991. MG/KG. Result: Behavioral: Somnolence (general depressed activity). Vascular: BP lowering not characterized in autonomic section. Skin and Appendages: Skin: After topical exposure: Corrosive. Acute toxicity, LD50, Inhalation, Rat, 1.150 MG/L, 4 H. Result: Lungs, Thorax, or Respiration:Other changes. Gastrointestinal:Nausea or vomiting.

**Irritation or Corrosion:** Other Studies: CAS# 6834-92-0:  
Acute toxicity, LD50, Oral, Rat, 1000 mg/kg

Other Studies: CAS# 6834-92-0:  
Standard Draize Test, Skin, Species: Rabbit, 250.0 mg, 24H

Other Studies: CAS# 67-63-0:  
Standard Draize Test, Skin, Species: Rabbit, 500 mg  
Standard Draize Test, Eyes, Species: Rabbit, 100 mg, 24H

Other Studies: CAS# 67-63-0:  
Acute toxicity, LD50, Oral, Rat, 5045 mg/kg

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

Other Studies: CAS# 111-76-2:  
Standard Draize Test, Eyes, Species: Rabbit, 100.0 mg, 24 H

Other Studies: CAS# 1310-73-2  
Standard Draize Test, Eyes, Species: Rabbit, 400.0 ug

**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 0.1% 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 available.  
Physical: No information available.

CAS# NA: Surfactant: LC50, Fathead Minnow (*Pimephales promelas*), 3.800 - 6.200 MG/L, 96 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.

LC50, Water Flea (*Daphnia magna*), 9.300 - 21.40 MG/L, 48 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# 1310-73-2:  
LC50, Common Shrimp, Sand Shrimp (*Crangon crangon*), adult(s), 33000 - 100000 ug/L, 48H, Mortality  
LC50, Western Mosquitofish (*Gambusia affinis*), adult(s), 125000 ug/L, 96H, Mortality  
LC50, Cockle (*Cerastoderma edule*), adult(s) 330000 - 1000000 ug/L, 48H, Mortality  
LC50, Guppy (*Poecilia reticulata*), young organism(s), 196.0 mg/L, 96H, Mortality

Other Studies: CAS# 111-76-2:  
LC50, Water Flea (*Daphnia magna*), 1720 mg/l, 24 H, Intoxication  
LC50, Common Shrimp, Sand Shrimp (*Crangon crangon*), 775000 ug/l, 96 H, Mortality  
LC50, Amphipod (*Chaetogammarus marinus*), young organism(s), 1000 mg/l, 24 H, Mortality  
LC50, Carp (*Leuciscus idus* ssp. *melanotus*), 1575 mg/l, 48 H, Mortality  
Effective concentration to 0% of test organisms, Blue-Green Algae (*Microcystis aeruginosa*), 156000 ug/L, Population

Other Studies: CAS# 67-63-0:  
LC50, Water Flea (*Daphnia magna*), 10000 mg/L, 24H, Intoxication  
LC50, Fathead Minnow (*Pimephales promelas*), 6550000 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 261.3. 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. Contact a licensed professional waste disposal service to dispose of this material.

### 14. TRANSPORT INFORMATION

**LAND TRANSPORT (US DOT):**

**DOT Proper Shipping Name:** Not Regulated.  
**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)
6834-92-0	Sodium metasilicate	No	No	No
67-63-0	Isopropyl Alcohol	No	No	Yes
111-76-2	Glycol Ether EB	No	No	Yes-Cat. N230
NA	Surfactant	No	No	No
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No

**CAS # Hazardous Components (Chemical Name)**

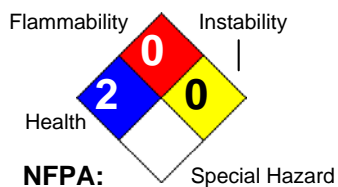
**Other US EPA or State Lists**

6834-92-0	Sodium metasilicate	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
67-63-0	Isopropyl Alcohol	TSCA: Yes - Inventory, 4 Test; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: Yes - 1076; NY Part 597: No; PA HSL: Yes - E
111-76-2	Glycol Ether EB	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: Yes - 0275; NY Part 597: No; PA HSL: Yes - 1
NA	Surfactant	TSCA: No; 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
1310-73-2	Sodium hydroxide	TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: Yes - 1706; NY Part 597: Yes; PA HSL: Yes - E

**16. OTHER INFORMATION**

**Revision Date:** 03/15/2015

**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.