

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** MORGAN-155-BULK  
**Product Name:** PDQ-LF  
**Company Name:** Morgan-Gallacher, Inc.  
 8707 Millergrove Drive  
 Santa Fe Springs, CA 90670  
**Emergency Contact:** CHEMTREC

**Phone Number:**  
 +1 (562)695-1232  
 +1 (800)424-9300

## 2. HAZARDS IDENTIFICATION

**Acute Toxicity: Oral, Category 4**  
**Skin Corrosion/Irritation, Category 1A**  
**Serious Eye Damage/Eye Irritation, Category 2A**



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

**GHS Hazard Phrases:** Harmful if swallowed.  
 Causes severe skin burns and eye damage.

**GHS Precaution Phrases:** Keep out of reach of children.  
 Read label before use.  
 Do not get in eyes, on skin, or on clothing.  
 Do not breathe dust/fume/gas/mist/vapors/spray.  
 Wash hands thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection.

**GHS Response Phrases:** IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes.  
 Get immediate medical advice/attention.  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 If experiencing respiratory symptoms: Get immediate medical advice/attention.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes.  
 Get immediate medical advice/attention.  
 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 Get immediate medical advice/attention.

**GHS Storage and Disposal Phrases:** Store locked up.  
 Dispose of contents/container in accordance to local, state and federal regulations.

**Inhalation:** May cause respiratory tract irritation.

**Skin Contact:** May cause a burning sensation of the skin. May be harmful if absorbed through the skin.

**Eye Contact:** May cause eye irritation and burns.

**Ingestion:** May be harmful if swallowed. May cause gastrointestinal irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
112-34-5	Diethylene glycol monobutyl ether	< 5.0 %
1310-73-2	Sodium hydroxide	< 5.0 %
NA	Surfactant	< 5.0 %

## 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 immediately.
- 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.
- 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 medical aid immediately.
- In Case of Ingestion:** If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Call a poison control center.
- Note to Physician:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

## 5. FIRE FIGHTING MEASURES

- Flash Pt:** No data.
- Explosive Limits:** LEL: No data. UEL: No data.
- Autoignition Pt:** No data.
- Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or chemical foam.
- 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. Use water spray to keep fire-exposed containers cool.
- Flammable Properties and Hazards:** No data available.
- Hazardous Combustion Products:** 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:** Do not let this chemical enter the environment. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section.
- Steps To Be Taken In Case Material Is Released Or Spilled:** Provide ventilation. Do not get water on spilled substances or inside containers. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

## 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. Keep container tightly closed.
- Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances. Store in a tightly closed container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.
1310-73-2	Sodium hydroxide	PEL: 2 mg/m <sup>3</sup>	CEIL: 2 mg/m <sup>3</sup>	No data.
NA	Surfactant	No data.	No data.	No data.

<b>Respiratory Equipment (Specify Type):</b>	Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
<b>Eye Protection:</b>	Wear chemical splash goggles.
<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>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
<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>	Blue. Liquid. Transparent.	
<b>pH:</b>	12.5 - 13.5	
<b>Melting Point:</b>	No data.	
<b>Boiling Point:</b>	No data.	
<b>Flash Pt:</b>	No data.	
<b>Evaporation Rate:</b>	No data.	
<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>	No data.	
<b>Vapor Density (vs. Air = 1):</b>	No data.	
<b>Specific Gravity (Water = 1):</b>	1.020 - 1.030	
<b>Solubility in Water:</b>	No data.	
<b>Octanol/Water Partition Coefficient:</b>	No data.	
<b>Autoignition Pt:</b>	No data.	
<b>Decomposition Temperature:</b>	No data.	
<b>Viscosity:</b>	No data.	

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Unstable [ ]    Stable [ X ]
<b>Conditions To Avoid - Instability:</b>	Incompatible materials, ignition sources.
<b>Incompatibility - Materials To Avoid:</b>	Strong oxidizing agents, Strong acids.
<b>Hazardous Decomposition or Byproducts:</b>	oxides of phosphorus, Toxic fumes of sodium oxide, Carbon monoxide.
<b>Possibility of Hazardous Reactions:</b>	Will occur [ ]    Will not occur [ X ]
<b>Conditions To Avoid - Hazardous Reactions:</b>	No data available.

**11. TOXICOLOGICAL INFORMATION**

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

CAS# 112-34-5: Diethylene glycol monobutyl ether: Acute toxicity, LD50, Oral, Rat, 5660. MG/KG.

Acute toxicity, LD50, Oral, Mouse, 2400. MG/KG.

Acute toxicity, LD50, Skin, Species: Rabbit, 2700. MG/KG.

Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, 24 H.

CAS# 1310-73-2: Sodium hydroxide: Acute toxicity, LD50, Oral, Rat, 325.0 MG/KG.

Acute toxicity, LD50, Dermal, Rabbit, 1350. MG/KG.

Standard Draize Test, Eyes, Species: Monkey., 1.000 %, 24 H.

Standard Draize Test, Skin, Species: Rabbit, 500.0 MG, 24 H.

**Irritation or Corrosion:** Other Studies: CAS# 112-34-5:  
 Standard Draize Test, Eyes, Species: Rabbit, 20.0 mg, 24 H

Other Studies: CAS# 112-34-5:  
 Acute toxicity, LD50, Oral, Rat, 5660 mg/kg

**Carcinogenicity/Other Information:** 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.

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.

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.

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.

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

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
112-34-5	Diethylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.
1310-73-2	Sodium hydroxide	n.a.	n.a.	n.a.	n.a.
NA	Surfactant	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:**

Environmental: No information available.  
Physical: No information available.

CAS# 112-34-5: Diethylene glycol monobutyl ether: LC50, Water Flea (Daphnia magna), 2850. MG/L, 24 H, Intoxication,.  
Lethal concentration to 100% of test organisms., Water Flea (Daphnia magna), 3850. MG/L, 24 H, Intoxication,.  
Effective concentration to 50% of test organisms., Water Flea (Daphnia magna), 3200. MG/L, 24 H, Behavior.  
Effective concentration to 10% of test organisms., Green Algae Order (Chlorococcales), 1000. MG/L, 24 H, Physiology.  
CAS# 1310-73-2: Sodium hydroxide: LC50, Hooknose (Agonus cataphractus), adult(s), 33000. - 100000. UG/L, 48 H, Mortality.  
100% mortality or 0% survival of organism., Goldfish (Carassius auratus), 100000. UG/L, 3 - 20 H, Mortality.  
Effective concentration to 50% of test organisms., Water Flea (Ceriodaphnia dubia), neonate, 40.38 MG/L, 48 H, Intoxication,.  
100% mortality or 0% survival of organism., Bony Fishes (Osteichthyes), 100000. UG/L, 3 - 10 H.

**Results of PBT and vPvB assessment:**

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

**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. 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)
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
NA	Surfactant	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 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)

112-34-5	Diethylene glycol monobutyl ether
1310-73-2	Sodium hydroxide
NA	Surfactant

### Other US EPA or State Lists

CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Yes - Cat.; MA Oil/HazMat: No; MI CMR, Part 5: Yes - Cat.; NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: Yes - E(c)

CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: TAC: Cat. IIb, Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: Yes: HS; PA HSL: Yes - E

CWA NPDES: No; 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

## 16. OTHER INFORMATION

**Revision Date:** 11/27/2018

**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.