

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code:** MORGAN-068-BULK  
**Product Name:** EZ-Strip #2  
**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

## 2. HAZARDS IDENTIFICATION

**Corrosive To Metals, Category 1**

**Acute Toxicity: Oral, Category 4**

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

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



**GHS Signal Word:**

**Danger**

**GHS Hazard Phrases:**

May be corrosive to metals.  
Harmful if swallowed.  
Causes severe skin burns and eye damage.

**GHS Precautionary 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/face protection.  
Take any precaution to avoid mixing with Acid Products

**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.

**OSHA Regulatory Status:**

This material is classified as hazardous under OSHA regulations.

**Inhalation:**

Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Causes severe irritation of upper respiratory tract with coughing, burns, breathing difficulty, and possible coma. Causes chemical burns to the respiratory tract.

**Skin Contact:**

May cause skin irritation. May be harmful if absorbed through the skin. May cause severe burns with delayed tissue destruction. Causes redness and pain.

**Eye Contact:**

Causes severe eye burns. May cause irreversible eye injury. May cause chemical conjunctivitis and corneal damage.

**Ingestion:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
12626-49-2	Dowfax 2A1	< 5.0 %
1310-58-3	Potassium hydroxide	<25.0 %
112-34-5	Diethylene glycol monobutyl ether	< 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. 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.

**In Case of Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of water. Get medical attention immediately. Never give anything by mouth to an unconscious person.

**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:** For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Do NOT use straight streams of water. Cool containers with flooding quantities of water until well after fire is out.

**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. Vapors may form explosive mixtures with air. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Flammable Properties and Hazards:** No data available.

**Hazardous Combustion Products:** No data available.

## 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>	Avoid runoff into storm sewers and ditches which lead to waterways.
<b>Steps To Be Taken In Case Material Is Released Or Spilled:</b>	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

## 7. HANDLING AND STORAGE

<b>Precautions To Be Taken in Handling:</b>	Wash thoroughly after handling. Use only in a well-ventilated area. Keep container tightly closed. Keep away from heat, sparks and flame.
<b>Precautions To Be Taken in Storing:</b>	Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep container closed when not in use. Store in a tightly closed container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
12626-49-2	Dowfax 2A1	No data.	No data.	No data.
1310-58-3	Potassium hydroxide	PEL: 2.0 mg/m3	CEIL: 2 mg/m3	No data.
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.

<b>Respiratory Equipment (Specify Type):</b>	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. 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>	Splash proof safety 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>	Light brown. Hazy. Viscous. Liquid.	
<b>pH:</b>	> 12	
<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.	

**Specific Gravity (Water = 1):** 1.20 - 1.22  
**Solubility in Water:** No data.  
**Octanol/Water Partition Coefficient:** No data.  
**Autoignition Pt:** No data.  
**Decomposition Temperature:** No data.  
**Viscosity:** 1200 - 3200 CPS

## 10. STABILITY AND REACTIVITY

**Stability:** Unstable [ ] Stable [ X ]  
**Conditions To Avoid - Instability:** Incompatible materials, Excess heat.  
**Incompatibility - Materials To Avoid:** isocyanates, Perchloric acid, Sulfuric acid, Oxidizing agents, Acid chlorides, Acid anhydrides, Moisture, Acids.  
**Hazardous Decomposition or Byproducts:** Carbon monoxide, oxides of potassium, hydrogen gas.  
**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [ X ]  
**Conditions To Avoid - Hazardous Reactions:** No data available.

## 11. TOXICOLOGICAL INFORMATION

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

CAS# 1310-58-3: Potassium hydroxide: Mutagenicity:, Mutation test: Cytogenetic analysis., Rat, 1800. MG/KG, Cell Type: Ascites tumor.  
 Acute toxicity, LD50, Oral, Rat, 273.0 MG/KG.  
 Standard Draize Test, Skin, Species: Rabbit, 50.00 MG, 24 H.  
 Standard Draize Test, Skin, Species: Guinea pig, 50.00 MG, 24 H.  
 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.  
 Acute toxicity, TCLo, Inhalation, Rat, 936.0 mg/m3.  
 Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG, 24 H.

**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.

CAS# 107-98-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS# 1310-58-3: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

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

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
12626-49-2	Dowfax 2A1	n.a.	n.a.	n.a.	n.a.
1310-58-3	Potassium hydroxide	n.a.	n.a.	n.a.	n.a.
112-34-5	Diethylene glycol monobutyl ether	n.a.	n.a.	n.a.	n.a.

## 12. ECOLOGICAL INFORMATION

**General Ecological Information:** CAS# 1310-58-3: Potassium hydroxide: LC50, Western Mosquitofish (*Gambusia affinis*), adult(s), 80000. UG/L, 96 H, Mortality.  
Effective concentration to 0 % of test organisms, Zebra Mussel (*Dreissena polymorpha*), 1000. UG/L, Mortality.  
100% mortality or 0% survival of organism., Pond Snail (*Lymnaea sp.*), 150.0 PPM, 24 H, Mortality.  
100% mortality or 0% survival of organism., Bony Fishes (*Osteichthyes*), 0.000 MOL/KG, 560 M, Mortality.  
CAS# 112-34-5: Diethylene glycol monobutyl ether: LC50, Water Flea (*Daphnia magna*), 2850. MG/L, 24 H, Intoxication.,  
LC50, Carp (*Leuciscus idus ssp. melanotus*), 1805. MG/L, 48 H, Mortality.  
Effective concentration to 10% of test organisms., Green Algae Order (*Chlorococcales*), 1000. MG/L, 24 H, Physiology.

**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:** Corrosive liquid, basic, inorganic, n.o.s.(Potassium Hydroxide)

**DOT Hazard Class:** 8 CORROSIVE

**UN/NA Number:** UN3266

**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)
12626-49-2	Dowfax 2A1	No	No	No
1310-58-3	Potassium hydroxide	No	Yes 1000 LB	No
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 checked="" type="checkbox"/> Yes <input 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
12626-49-2	Dowfax 2A1	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
1310-58-3	Potassium hydroxide	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: Title 8; MA Oil/HazMat: Yes; MI CMR, Part 5: Part 5; NJ EHS: No; NY Part 597: Yes: HS; PA HSL: Yes - E
112-34-5	Diethylene glycol monobutyl ether	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)

**Regulatory Information**

**Statement:** WARNING: This product can expose you to Ethyl Acrylate chemicals known to the State of California to cause cancer. For more information, go to [www.p65Warnings.ca.gov](http://www.p65Warnings.ca.gov)

**16. OTHER INFORMATION**

**Revision Date:** 05/10/2019

**Additional Information About This Product:** No data available.

**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.