SAFETY DATA SHEET
Oven & Grill Cleaner

Printed: 04/27/2022
Revision: 04/27/2022

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: MORGAN-341-BULK
Product Name: Oven & Grill Cleaner

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

Skin Corrosion, Category 1A
Acute Toxicity: Oral, Category 4
Eye Irritation, Category 2A
Corrosive To Metals, Category 1

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 to ...

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

Inhalation: Inhalation may cause irritation, coughing, sore throat, and in extreme cases, pulmonary edema. Inhalation of vapors may cause drowsiness and dizziness.

Skin Contact: May cause severe burns with delayed tissue destruction. May cause skin irritation. Causes redness and pain.

Eye Contact: May cause eye irritation. Causes severe eye burns. May cause irreversible eye injury. Causes redness and pain.

Ingestion: May cause severe and permanent damage to the digestive tract. Causes severe pain, nausea, vomiting, diarrhea, and shock.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
1310-73-2	Sodium hydroxide	<10.0 %
1310-58-3	Potassium hydroxide	<20.0 %
112-34-5	Diethylene glycol monobutyl ether	< 5.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures: Remove from exposure and move to fresh air immediately.

In Case of Inhalation: Remove from exposure and move to fresh air immediately. Get medical aid immediately. Do NOT use mouth-to-mouth resuscitation.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. 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: 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.

5. FIRE FIGHTING MEASURES

Flash Pt: NA

Explosive Limits: LEL: None UEL: None

Autoignition Pt: NA

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. Use water spray to cool fire-exposed containers. Do NOT use straight streams of water.

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. Toxic fumes may be emitted under fire conditions.

Flammable Properties and Hazards: Contact with metals may evolve flammable hydrogen gas.

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: 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: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Do not let product enter drains. Discharge into the environment must be avoided.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash thoroughly after handling. Use only in a well ventilated area. Keep container tightly closed. Keep away from heat, sparks and flame.

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
1310-73-2	Sodium hydroxide	PEL: 2 mg/m3	CEIL: 2 mg/m3	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.

Respiratory Equipment (Specify Type): If vapor concentration exceeds ACGIH-TLV or OSHA-PEL, use NIOSH/MSHA approved respirator with an organic vapor cartridge.

Eye Protection: Wear chemical goggles.

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. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Light brown.
Viscous.
Opaque. Liquid.

pH: Not available

Melting Point: NP

Boiling Point: NA

Flash Pt: NA

Evaporation Rate: Not available

Flammability (solid, gas): No data available.

Explosive Limits: LEL: None UEL: None

Vapor Pressure (vs. Air or mm Hg): Not available

Vapor Density (vs. Air = 1):	Not available
Specific Gravity (Water = 1):	1.235 - 1.245
Solubility in Water:	100%
Saturated Vapor Concentration:	Not available
Octanol/Water Partition Coefficient:	No data.
Percent Volatile:	N.A.
Autoignition Pt:	NA
Decomposition Temperature:	NA
Viscosity:	3000 - 8000 CPS

10. STABILITY AND REACTIVITY

Stability:	Unstable [ ] Stable [X]
Conditions To Avoid - Instability:	Avoid extremely high temperature. Direct sunlight.
Incompatibility - Materials To Avoid:	Acids, Strong oxidizing agents. Contact of this product with many "active" metals such as aluminum, tin, copper, zinc, and most alloys can cause formation of flammable hydrogen gas.
Hazardous Decomposition or Byproducts:	Hazardous decomposition products formed under fire conditions: Toxic fumes of sodium oxide, hydrogen gas, oxides of potassium.
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 data available.
Reproductive Effects: No data available.
Mutagenicity: No data available.
Neurotoxicity: No information found.
Teratogenicity: No information available.

CAS# 1310-73-2: Sodium hydroxide: Acute toxicity, LC50, Inhalation, Rat, 10000. PPM, 5 H.
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.
CAS# 1310-58-3: Potassium hydroxide: Acute toxicity, LD50, Oral, Rat, 273.0 MG/KG.
Standard Draize Test, Eyes, Species: Rabbit, 1.000 MG, 24 H.
CAS# 112-34-5: Diethylene glycol monobutyl ether: Acute toxicity, LD50, Oral, Rat, 5660. MG/KG.
Acute toxicity, LD50, Skin, Species: Rabbit, 2700. MG/KG.
Acute toxicity, LD50, Oral, Rat, 6050. mg/kg.
Standard Draize Test, Eyes, Species: Rabbit, 20.00 MG.

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

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
1310-73-2	Sodium hydroxide	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: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life.

CAS# 1310-73-2: Sodium hydroxide: LC50, Western Mosquitofish (Gambusia affinis), adult(s), 125000. UG/L, 24 H, Mortality.
CAS# 1310-58-3: Potassium hydroxide: LC50, Western Mosquitofish (Gambusia affinis), adult(s), 80000. UG/L, 96 H, Mortality.
CAS# 112-34-5: Diethylene glycol monobutyl ether: LC50, Water Flea (Daphnia magna), 2850. MG/L, 24 H, Intoxication,.
LC50, Goldfish (Carassius auratus), 2700000. UG/L, 24 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. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all Federal, State, and local 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 and Sodium 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)
1310-73-2	Sodium hydroxide	No	Yes NA	No
1310-58-3	Potassium hydroxide	No	Yes NA	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:

[ ] Yes [X] No Explosive
[ ] Yes [X] No Flammable (gases, aerosols, liquid, or solid)
[ ] Yes [X] No Oxidizer (liquid, solid or gas)
[ ] Yes [X] No Self-reactive
[X] Yes [ ] No Acute toxicity (any route of exposure)
[X] Yes [ ] No Skin Corrosion or Irritation
[X] Yes [ ] No Serious eye damage or eye irritation
[ ] Yes [X] No Respiratory or Skin Sensitization

[ ] Yes [X] No Pyrophoric (liquid or solid)
[ ] Yes [X] No Pyrophoric gas
[ ] Yes [X] No Self-heating
[ ] Yes [X] No Organic peroxide
[X] Yes [ ] No Corrosive to metal
[ ] Yes [X] No Gas under pressure (compressed gas)
[ ] Yes [X] No In contact with water emits flammable gas
[ ] Yes [X] No Combustible Dust
[ ] Yes [X] No (Physical) Hazard Not Otherwise Classified (HNOC)

[ ] Yes [X] No Germ cell mutagenicity
[ ] Yes [X] No Carcinogenicity
[ ] Yes [X] No Reproductive toxicity
[ ] Yes [X] No Specific target organ toxicity (single or repeated exposure)
[ ] Yes [X] No Aspiration Hazard
[ ] Yes [X] No Simple Asphyxiant
[ ] Yes [X] No (Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
1310-73-2	Sodium hydroxide	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
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:

16. OTHER INFORMATION

Revision Date: 04/27/2022

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.