## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**GHS product identifier**

**Product Name** **Grillo**

**Other means of identification**

**Product Code(s)** **FM9048**
**UN/ID No** **UN3266**

**Synonyms** None

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Oven and Grill Cleaner

**Uses advised against** No information available

**Supplier's details**

**Supplier Address**
Accurate Companies
731 W. Fairmont Dr.
Tempe, AZ 85282

**Emergency telephone number**

**Emergency Telephone Number** CHEMTREC: 1-800-424-9300
Accurate 602-996-9191

## 2. HAZARDS IDENTIFICATION

**Classification**

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

| | |
|---|---|
| Acute Oral Toxicity | Category 4 |
| Skin Corrosion/Irritation | Category 1 Subcategory 1A |
| Serious Eye Damage/Eye Irritation | Category 1 |

**GHS Label elements, including precautionary statements**

**Emergency Overview**

**Signal Word** **Danger**

**Hazard Statements**
- Harmful if swallowed
- Causes severe skin burns and eye damage

**Precautionary Statements**

**Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wear protective gloves/protective clothing/eye protection/face protection

**General Advice**

- Immediately call a POISON CENTER or doctor/physician

**Eyes**

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- Immediately call a POISON CENTER or doctor/physician.

**Skin**

- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
- Wash contaminated clothing before reuse

**Inhalation**

- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Ingestion**

- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
- Rinse mouth
- Do NOT induce vomiting

**Storage**

- Store locked up

**Disposal**

- Dispose of contents/container to an approved waste disposal plant

**Hazard Not Otherwise Classified (HNOC)**

Not applicable

**Other information**

No information available.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS-No | Weight % | Trade secret |
|---|---|---|---|
| Potassium hydroxide | 1310-58-3 | 7%-10% | * |
| Glycerin | 56-81-5 | 40% - 50% | *Not Classified |
| | | | |
| | | | |
| | | | |
| | | | |

**The exact percentage (concentration) of composition has been withheld as a trade secret.*

## 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**General Advice** Immediate medical attention is required.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Seek immediate medical attention/advice.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

**Most important symptoms/effects, acute and delayed**

**Most Important Symptoms/Effects** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to Physician** Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Water. Carbon dioxide ($CO_2$). Dry chemical.

**Unsuitable Extinguishing Media** None

**Specific Hazards Arising from the Chemical**
None known

**Hazardous Combustion Products** None.

**Explosion Data**

| | |
|---|---|
| **Sensitivity to Mechanical Impact** | None |
| **Sensitivity to Static Discharge** | None |

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Ensure adequate ventilation. Use personal protective equipment.

**Environmental Precautions**

**Environmental Precautions** Avoid release to the environment. Collect spillage. See Section 12 for additional Ecological Information Dispose of contents/container to an approved waste disposal plant. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Absorb spilled material with an absorbent material such as clay, sawdust, or sand. Sweep up and shovel into suitable containers for disposal. After complete clean up by sweeping, area may be washed with large amounts of water if necessary

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Do not eat, drink or smoke when using this product.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

**Incompatible Products** None

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters**

**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|---|---|---|
| Potassium hydroxide 1310-58-3 | 2mg/m$^3$ | 2mg/m$^3$ | Ceiling 2 mg/m$^3$ |
| Glycerin 56-81-5 | - | (TWA) 5 mg/m³ | - |
| | - | - | - |

**Appropriate engineering controls**

**Engineering Measures** Showers
Eyewash stations
Ventilation systems


**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tightly fitting safety goggles.
**Skin and Body Protection** Rubber gloves. Rubber apron.
**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene Measures** Wash thoroughly after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

| | | | |
|---|---|---|---|
| **Physical State** | Liquid | **Appearance** | Clear |
| **Odor** | Odorless | **Odor Threshold** | No information available |

| Property | Values | Remarks/ - Method |
|---|---|---|
| **pH** | 14.0 | None known |
| **Melting Point/Range** | No data available | None known |
| **Boiling Point/Boiling Range** | 100 ℃ / 212 ℉ | None known |

| | | |
|---|---|---|
| **Flash Point** | 98 ℃ / 208.4 ℉ | None known |
| **Evaporation rate** | No data available | None known |
| **Flammability (solid, gas)** | No data available | None known |
| **Flammability Limits in Air** | | |
| **upper flammability limit** | No data available | |
| **lower flammability limit** | No data available | |
| **Vapor Pressure** | No data available | None known |
| **Vapor Density** | No data available | None known |
| **Relative Density** | No data available | None known |
| **Specific Gravity** | 1.202 | None known |
| **Water Solubility** | Soluble | None known |
| **Solubility in other solvents** | No data available | None known |
| **Partition coefficient: n-octanol/water** | No data available | None known |
| **Autoignition Temperature** | No data available | None known |
| **Decomposition Temperature** | No data available | None known |
| **Viscosity** | No data available | None known |

**Flammable Properties** Not flammable

**Explosive Properties** Not explosive
**Oxidizing Properties** Not an oxidizer

**Other information**

**VOC Content (%)** 3-5%

## 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

None

**Hazardous decomposition products**

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

| | |
|---|---|
| **Inhalation** | May cause irritation of respiratory tract. |
| **Eye Contact** | Eye contact with corrosive substances can cause eye burns. |
| **Skin Contact** | Skin contact with corrosive substances can cause skin burns. |

**Ingestion** Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---|---|---|---|
| Potassium hydroxide 1310-58-3 | = 273 mg/kg ( Rat ) | 50mg (24hr) - Severe skin irritation Draize (Rabbit) | - |
| Glycerin 56-81-5 | 12600.000 mg/kg | 10 g/kg (Rabbit) | 570 mg/m³ (Exposure time: 1 h) (Rat) |
| | | | - |
| | | - | - |
| | | | - |
| | | | |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** No information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Sensitization** No information available.
**Mutagenic Effects** No information available.
**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

**ACGIH: (American Conference of Governmental Industrial Hygienists)**
A3 - Animal Carcinogen
**IARC: (International Agency for Research on Cancer)**
Group 3: Not Classifiable as to its Carcinogenicity to Humans

**Reproductive Toxicity** No information available.
**STOT - single exposure** No information available.
**STOT - repeated exposure** No information available.
**Aspiration Hazard** No information available.

**Numerical measures of toxicity • - Product**

*The following values are calculated based on chapter 3.1 of the GHS document:*

**LD50 Oral** 2274 mg/kg; Acute toxicity estimate
**LD50 Dermal** 2478 mg/kg; Acute toxicity estimate
**Inhalation**
**gas** 42529
**dust/mist** 14.2 mg/L; Acute toxicity estimate
**Vapor** 104 mg/L; Acute toxicity estimate

## 12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|---|---|---|---|---|
| Potassium hydroxide 1310-58-3 | - | Mosquito Fish 24hr LC50 = 80mg/L | - | - |
| Glycerin 56-81-5 | - | (51 - 57) ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) | - | 500 mg/l (Exposure time: 24 h - Species: Daphnia magna) |

**Persistence and Degradability** The substance is biodegradable. Unlikely to persist.

**Bioaccumulation** Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

| Chemical Name | Log Pow | |
|---|---|---|
| Glycerine 99.7% USP Kosher | -1.76 | |
| , | BCF Fish 1 -1.76 | |
| | | |

**Other Adverse Effects**
No information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with federal, state, and local regulations

**Contaminated Packaging** Dispose of in accordance with federal, state, and local regulations.

| Chemical Name | California Hazardous Waste Status |
|---|---|
| Potassium hydroxide 1310-58-3 | Toxic Corrosive |

## 14. TRANSPORT INFORMATION

**DOT** **Regulated**

**UN/ID No** **UN3266**
**Proper shipping name** **Corrosive liquid, basic, inorganic, n.o.s. (Potassium hydroxide), "Ltd Qty"**
**Hazard class** **8**
**Packing Group** **II, "Ltd Qty"**
**Emergency Response Guide Number** **154**

## 15. REGULATORY INFORMATION

### International Inventories

**TSCA** Complies
**DSL** Complies
**EINECS** Complies

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

## U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No | Weight % | SARA 313 - Threshold Values % |
|---|---|---|---|
| Potassium hydroxide | 1310-58-3 | 1-5 | 1.0 |

**Listed on the United States TSCA (Toxic Substances Control Act) inventory**
**EPA TSCA Regulatory Flag**

Glycerin 56-81-5 Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule.

### SARA 311/312 Hazard Categories

| | |
|---|---|
| **Acute Health Hazard** | Yes |
| **Chronic Health Hazard** | No |
| **Fire Hazard** | No |
| **Sudden Release of Pressure Hazard** | No |
| **Reactive Hazard** | No |

### Clean Water Act

| Chemical Name | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|---|---|---|---|---|
| Potassium hydroxide 1310-58-3 | 1000lbs | - | - | X |

### CERCLA

| Chemical Name | Hazardous Substances RQs | Extremely Hazardous Substances RQs | RQ |
|---|---|---|---|
| Potassium hydroxide 1310-58-3 | 1000 lbs | - | RQ 1000 lb final RQ<br>RQ 454kg final RQ |

## U.S. State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania | Illinois | Rhode Island |
|---|---|---|---|---|---|
| Potassium hydroxide 1310-58-3 | X | X | X | X | X |
| | | | | | |
| | | | | | |

### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

## 16. OTHER INFORMATION

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **NFPA** | **Health Hazard** | 3 | **Flammability** | 0 | **Instability** | 1 | **Physical and Chemical Hazards** - **COR** |
| **HMIS** | **Health Hazard** | 3 | **Flammability** | 0 | **Physical Hazard** | 1 | **Personal Protection** B |

**Prepared By**
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**Issuing Date** 01-June-2015
**Revision Date** 20-July-2018
**Revision Note** New Formula

**General Disclaimer**

**The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**

**End of Safety Data Sheet**