**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** : **GRILL-O**

**Other Means of Identification** : Not applicable

**Recommended Use** : Grill Cleaner

**Restrictions on Use** : Reserved for industrial and professional use

Company Mile High Clean Solutions

P.O. Box 3032

Littleton, CO 80161

Emergency telephone (303)-356-2990

Poison control center (800)-222-1222

Issuing date 04/1/2015

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Eye Irritation **:** Category 2B

**GHS Label elements**

**Signal word** : Warning

**Hazard Statements** : Causes eye Irritation

**Precautionary Statements**

**Prevention:** Wash skin thoroughly after handling.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes.

 Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical

advice/ attention.

**Other Hazards** : None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture Mixture

**Chemical name CAS-No. Concentration (%)**

Glycerine 56-81-5 60-100

Potassium Carbonate 584-08-7 5-20

**Chemical Name Weight - % CAS number**

Glycerin >50 56-81-5

Potassium Carbonate 5-20 584-08-7

**SECTION 4. FIRST AID MEASURES**

In case of Eye Contact Rinse immediately with plenty of water.

In case of skin contactRinse with plenty of water.

If Swallowed Rinse mouth. Get medical attention if symptoms occur.

Protection of First-Aiders No special precautions are necessary for first aid responders.

Notes to Physician Treat symptomatically.

**See toxicological information (section 11)**

**SECTION 5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media** : Use extinguishing measures that are appropriate to local

 Circumstances and the surrounding environment.

**Unsuitable extinguishing** : None known

**media**

**Specific Hazards Arising From the**  : In a fire or if heated, a pressure increase will occur and the

**Chemical** Container may burst.

**Hazardous Combustion :** Decomposition products may include the following materials:

**Products** Carbon dioxide

 Carbon monoxide

 Metal oxide/oxides

**Specific fire-fighting methods :** Promptly isolate the scene by removing all persons from the

 vicinity of the incident if there is a fire. No action shall be taken

 involving any personal risk or without suitable training.

**Special Protective Equipment**  : Fire-fighters should wear appropriate protective equipment and

**for Fire-Fighters** self-contained breathing apparatus (SCBA) with a full face-piece

 operated in positive pressure mode.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective** : Refer to protective measures listed in section 7 and 8.

**Equipment and Emergency**

**Procedures**

**Environmental Precautions** : Avoid contact of large amounts of spilled material and runoff with

 soil, surface or ground water.

**Methods and Materials for** : Use water rinse for final clean-up

**Final Clean Up**

**SECTION 7. HANDLING AND STORAGE**

**Advice on Safe Handling**  : Avoid contact with eyes, skin and clothing. Wash thoroughly

 after handling. **Conditions for Safe Storage** : Keep out of reach of children. Store in suitable labeled containers.

**Storage Temperatures**  : Store between the following temperatures: 0 ̊C and 50 ̊C.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ingredients with workplace control parameters**

**Ingredients Exposure limits**

GLYCERIN **OSHA PEL (United States, 6/2010)**

TWA: 5 mg/m³ 8 hours. Form: Respirable

 Fraction.

 TWA: 15 mg/m³ 8 hours. Form: Total dust

 **ACGIH TLV (United States, 3/2012).**

TWA: 10 mg/m³ 8 hours

**Appropriate Engineering** : Use only with adequate ventilation. If user operations generate

**Controls** dust, fumes, gas, vapor or mist, use process enclosures, local

 exhaust ventilation or other engineering controls to keep worker

 exposure to airborne contaminants below any recommended or

 statuary limits. Provide suitable facilities for quick drenching or

 flushing of the eyes and body in case of contact or splash hazard.

**Personal Protective Equipment**

**Eye/Face Protection** : No protective equipment is needed under normal use conditions.

**Hand Protection** : No protective equipment is needed under normal use conditions.

**Skin Protection** : No protective equipment is needed under normal use conditions.

**Respiratory Protection** : A respirator is not needed under normal and intended conditions

 of product use.

**Hygiene Measures** : Wash hands, forearms and face thoroughly after handling

 chemical products, before eating, smoking and using the lavatory

 and at the end of the working period.

 Remove and wash contaminated clothing before re-use.

 Provide suitable facilities for quick drenching or

 flushing of the eyes and body in case of contact or splash hazard.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Liquid

Color : Amber(Light)

Odor : odorless

pH : 10.5(100%)

Flash Point : >100C

Odor Threshold : No data available

Melting point/freezing point : No data available

Initial boiling point and : No data available boiling range

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapor pressure : No data available

Relative vapor density : No data available

Specific gravity 1.34

Relative density : No data available

Water solubility : Complete

Solubility in other solvents : No data available

Partition coefficient: n- : No data available octanol/water

Autoignition temperature : No data available

Thermal decomposition : No data available

Viscosity, kinematic : No data available

Explosive properties : No data available

Oxidizing properties : No data available

Molecular weight : No data available

VOC : None

**SECTION 10. STABILITY AND REACTIVITY**

**Chemical Stability** : This product is stable

**Possibility of Hazardous** : Under normal conditions of storage and use, hazardous reactions

**Reactions**  will not occur.

**Conditions to Avoid** : None known

**Materials to avoid**  : Reactive or incompatible with the following materials: acids.

**Hazardous Decomposition** : Under normal conditions of storage and use, hazardous

**Products** decomposition products should not be produced.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Likely Routes of Exposure** : Eyes, Skin, Ingestion, Inhalation, Ingestion

**Symptoms**

 **Eye Contact :**  Causes eye irritation

 **Skin contact** : Health injuries are not known or expected under normal use.

 **Inhalation :**  Health injuries are not known or expected under normal use.

 **Ingestion** : Health injuries are not known or expected under normal use.

 **Chronic exposure :** Health injuries are not known or expected under normal use.

**Acute toxicity**

 **Eye contact** : Redness, Irritation

 **Skin Contact** :No symptoms known or expected

 **Inhalation** : No symptoms known or expected

 **Ingestion :** No symptoms known or expected

**Toxicity Data**

 **Product/ingredient name**

Glycerin LC50 Inhalation Rat >2.75 mg/l

 Dusts and mists

 LD50 Dermal Rabbit 23000 mg/kg

 LD50 Oral Rat 18300 mg/kg

Potassium carbonate LC50 Inhalation Rat >5.26 mg/l

 Dusts and mists

 LD50 Dermal Rabbit >2000 mg/kg

 LD50 Oral Rat 1870 mg/kg

**Carcinogenicity**  : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity**  : No known significant effects or critical hazards.

**Developmental effects**  : No known significant effects or critical hazards.

**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity :** This material is harmful to aquatic life.

**Aquatic and Terrestrial Toxicity**

 **Product/Ingredient Name Result Species Exposure**

glycerine Acute LC50 855 mg/l Fish 96 hours

potassium carbonate Acute LC50 230 mg/l Fish 96 hours

**Other adverse effects :** No known significant effects or critical hazards

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** : This product can be flushed to sanitary sewer.

 Discard empty container in trash.

**SECTION 14. TRANSPORT INFORMATION**

**This shipper/consigner/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.**

**Land Transport (DOT)**

Not regulated

**Sea Transport (IMDG/IMO)**

Not regulated

**SECTION 15. REGULATORY INFORMATION**

**U.S. Federal regulations**

 **TSCA 8(b) inventory**  : All components are listed or exempted.

 **SARA 302/304/311/312 extremely hazardous substances:** No listed substance.

 **SARA 302/304 emergency planning and notification:** No listed substance

 **SARA 313 Product name CAS number Concentration**

 **Form R – Reporting** : No listed substance

 **requirements**

**California Prop 65** : No listed substance

**SECTION 16. OTHER INFORMATION**

**Hazardous Material :**

**Information System (U.S.A)**

 **Health 1**

 **Flammability**  **0**

 **Physical Hazards** **0**

**NFPA:**

 **Flammability**

**1**

**Instability/**

**Reactivity**

**Health**

**0**

**0**

 **Special Hazard**

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Prepared by : Specialty Chemicals & Systems

Notice to reader

The information provided in this Safety Data Sheet 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 guidance for safe handling,

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