



SAFETY DATA SHEET

Revised on 03/17/2015

Section 1: IDENTIFICATION

Product identifier:

Product name: Grill Magic RTU

Others means of identification:

Product code: #104355

Recommended use: For industrial use only.

Manufacturer/Importer/Supplier/Distributor Information

Manufacturer

Company name: Pioneer Brite, Inc.

Address: 1381 Heistan Place
Memphis, TN 38104

Telephone: 1-800-783-7320

E-mail: info@pioneerbrite.com

Website: www.pioneerbrite.com

Emergency telephone number

For emergencies in the U.S., call Infotrac at 1-800-535-5053

For emergencies outside U.S., call Infotrac Collect at 01-352-323-3500 (account #77500)

Section 2: HAZARD(S) IDENTIFICATION

Classification of the substance or mixture

In accordance with 29 CFR paragraph (d) of §1910.1200



Acute toxicity, oral (Category 3)

Skin corrosion (Category 1A)

Eye irritation (Category 2A)

Label elements:

Signal word: Danger

GHS Pictograms	Hazard Statements	Precautionary Statements
 	<p>H302: Harmful if swallowed</p> <p>H314: Causes severe skin burns and eye damage</p> <p>H315: Causes skin irritation</p> <p>H319: Causes serious eye irritation</p>	<p>P264: Wash hands thoroughly after handling</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P363: Wash contaminated clothing before reuse</p> <p>P307 + P311: IF exposed, call a POISON CENTER or physician</p> <p>P301 + P312: IF SWALLOWED, immediately call a POISON CENTER or physician</p> <p>P303 + P361 + P353: IF ON SKIN (or hair), remove/take off immediately all contaminated clothing. Rinse skin with water.</p> <p>P305 + P351 + P338: IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P301 + P330 + P331: IF SWALLOWED, rinse mouth. Do NOT induce vomiting.</p> <p>P304 + P340: IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing.</p>

Additional Hazards: No additional hazards listed.
Unknown Acute Toxicity: Unknown

Section 3: COMPOSITION/INFORMATION OF INGREDIENTS

Mixtures

<u>Chemical name</u>	<u>CAS #</u>	<u>% by weight</u>
Water	7732-18-5	77.1%
Potassium Hydroxide	1310-58-3	22.0%

Section 4: FIRST AID MEASURES

Description of first aid measures

General Information: This product is harmful if swallowed. This product causes severe skin burns and eye damage/irritation. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye protection, and face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area.

Eye Contact: Flush eyes and under eyelids with cool water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Seek medical attention immediately and continue flushing until attended to by a physician.

Skin Contact: Flush with plenty of cool water for at least 15 minutes. Remove contaminated clothing and wash separately. If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If breathing has ceased, administer artificial respiration. If breathing is difficult, give supplemental oxygen. Call a physician. If irritation persists, seek medical attention.

Ingestion: Do NOT induce vomiting. Rinse mouth with large quantities of water. Give person 1 to 2 glasses of water, followed by citrus fruit juice. Never give anything by mouth to an unconscious person. Contact physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

This product may cause acute symptoms of skin irritation, severe skin burns, eye irritation, and serious eye damage.

Indication of immediate medical attention and special treatment needed

Seek medical attention if skin and/or eye irritation persists, or if swallowed or inhaled.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Carbon dioxide, water, alcohol-resistant foam, or dry chemical spray

Unsuitable extinguishing media: None listed

Special hazards arising from the substance or mixture

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion, do not breathe fumes.

Special protective equipment and advice for firefighters

Special hazards: Firefighters should wear full fire-fighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode

Additional information: Cool endangered receptacles with water spray. Collect contaminated fire-fighting water separately. It must not enter the sewage system. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Section 7 and Section 8.

Methods and material for containment and cleaning up

Ventilate area and contain spill. Soak up spilled material with inert absorbent material and place in a closed container for disposal. Flush residue away with large amounts of water. Observe local, state, and federal regulations.

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Use personal protection equipment as mentioned under “exposure controls/personal protection.” Keep away from heat, sparks, and flame. Do not allow this material to come in contact with eyes. Avoid prolonged contact with skin. Use in well-ventilated areas. Do not breathe vapors. As with

any chemical, users should thoroughly wash hands with soap and water after handling this material.

Conditions for safe storage, including any incompatibilities

Keep out of reach of children. Store product in a cool, dry area away from acids. Do not mix with any other cleaning chemical. Keep container tightly closed when not in use. Do not freeze.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters

OSHA permissible exposure limit and any other exposure limit used or recommended:

OSHA Permissible Exposure Limit (PEL): 2 mg/m³ ceiling

ACGIH Threshold Limit Value (TLV): 2 mg/m³ ceiling

Engineering Controls: Use only in well-ventilated areas. Apply technical measures to comply with the occupational exposure limits. Where reasonably practicable, this action should be achieved by the use of local exhaust ventilation and good general extraction. In case of insufficient ventilation, wear suitable respiratory equipment.

Personal protection measures

General protective and hygienic measures: When using this product, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Keep away from food, drink and animal feeding stuffs. Contaminated work clothing should not be allowed out of the workplace. Provide regular cleaning of equipment, work area and clothing. Avoid contact with skin, eyes and clothing. For environmental protection remove and wash all contaminated protective equipment before re-use. Wear suitable gloves and eye/face protection

Eye/Face protection: Use tightly fitting safety goggles and/or face shield.

Skin protection: Use impervious protective clothing appropriate to minimize contact (i.e. boots, apron, face shield) especially where spray/misting conditions exist.

Respiratory protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Amber liquid
Color:	Amber
Odor:	Characteristic odor
Odor threshold:	No data available
Physical state:	Liquid
pH:	14.0
Boiling point:	132°C (270°F)
Melting point:	-29°C (-20°F)
Specific gravity:	1.03 ± 0.005
Flash point:	No data available
Evaporation rate:	No data available
Flammability (with limits):	No data available
Vapor pressure:	1 mm HG at 719°C (1,326°F) for potassium hydroxide
Vapor density:	No data available

Relative density:	2.044 g/cm ³ for potassium hydroxide
Solubility:	Complete in water
Auto-ignition temperature:	Not applicable
Decomposition temperature:	No data available
Viscosity:	No data available
Partition coefficient:	No data available

Section 10: STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical stability:	Stable
Possibility of hazardous reactions:	Will not occur
Conditions to avoid:	(i.e. static discharge, shock, or vibration)
Incompatible materials:	Acids, aluminum, copper, flammable liquids, magnesium, nitro compounds, nitromethane, organic materials, tin, zinc
Hazardous decomposition products:	Carbon monoxide, hydrogen gas, potassium oxides

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact:	Irritant, possibly corrosive to eye tissues. Avoid contact with eyes.
Skin contact:	Irritant, possibly corrosive if prolonged contact occurs. Avoid contact with skin.
Ingestion:	Corrosive to mucous membranes and may cause perforation of the esophagus and stomach. Do NOT swallow.
Inhalation:	Respiratory tract irritant and may cause serious burns on acute contact. Avoid spray/mist conditions.

Symptoms related to the physical, chemical and toxicological characteristics

Causes severe burns to skin, eyes, respiratory tract, and gastrointestinal tract. Material is destructive to all body tissues. May be fatal if ingested. Harmful if inhaled.

Information on toxicological effects

Acute effects:	If in eyes, may cause tearing, redness, pain, and impaired vision. If on skin, may cause soreness, redness, and destruction of skin cells. If ingested, may cause abdominal pain, nausea, vomiting, and general gastrointestinal upset. If inhaled, may cause serious burns of the airway tract.
Chronic effects:	Skin dermatitis and increased susceptibility to respiratory illness.

Numerical measures of toxicity

For potassium hydroxide:	
Oral LD ₅₀ (rat):	273 mg/kg
Dermal LD ₅₀ :	None listed
Inhalation LC ₅₀ :	None listed

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Harmful to aquatic marine

Component	Freshwater fish	Freshwater algae
Potassium hydroxide	80 mg/L LC50 96 h	None listed

Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

Section 13: DISPOSAL CONSIDERATIONS

Disposal instructions:

This product may exhibit one or more characteristics of a hazardous waste and require appropriate analysis to determine specific disposal requirements. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 14: TRANSPORT INFORMATION

DOT

UN number: UN1760
UN proper shipping name: Corrosive liquid, N.O.S. (contains potassium hydroxide)
Transport hazard class(es)



Class: 8
Packing group: II
Environmental hazards: Harmful to freshwater marine
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number: UN1760
UN proper shipping name: Corrosive liquid, N.O.S. (contains potassium hydroxide)
Transport hazard class(es)



Class: 8
Packing group: II
Environmental hazards: Harmful to freshwater marine
Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Preparation in accordance with the Hazard Communication Standard of 29 CFR §1910.1200.

Section 16: OTHER INFORMATION

Issue date: 03/17/2015
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NFPA ratings: Health – 3 Flammability – 0 Reactivity – 1 Personal Protection - X
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